


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>							
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Aurora Federal 3-6D-7-20							
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT WILDCAT							
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME							
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8164							
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL BHilgers@billbarrettcorp.com							
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU75241			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>							
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Vaughn Parrish						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-823-6884							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') HC 69 Box 305, Randlett., ut 84063						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')							
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>							
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		185 FNL 2262 FWL		NENW		6		7.0 S		20.0 E		S	
Top of Uppermost Producing Zone		660 FNL 1980 FWL		NENW		6		7.0 S		20.0 E		S	
At Total Depth		660 FNL 1980 FWL		NENW		6		7.0 S		20.0 E		S	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 660			23. NUMBER OF ACRES IN DRILLING UNIT 40							
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 3751			26. PROPOSED DEPTH MD: 9421 TVD: 9392							
27. ELEVATION - GROUND LEVEL 4990			28. BOND NUMBER WYB000040			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-2336							
Hole, Casing, and Cement Information													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight		
COND	26	16	0 - 80	65.0	Unknown	8.8	No Used		0	0.0	0.0		
SURF	12.25	9.625	0 - 1500	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown		190	3.16	11.0		
							Halliburton Premium , Type Unknown		210	1.36	14.8		
PROD	8.75	5.5	0 - 9421	17.0	P-110 LT&C	9.6	Unknown		700	2.31	11.0		
							Unknown		410	1.42	13.5		
ATTACHMENTS													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Brady Riley					TITLE Permit Analyst			PHONE 303 312-8115					
SIGNATURE					DATE 11/01/2012			EMAIL briley@billbarrettcorp.com					
API NUMBER ASSIGNED 43047532950000					APPROVAL  Permit Manager								

BILL BARRETT CORPORATION
DRILLING PLAN REVISED

Aurora Federal 3-6D-7-20

Lot 3, NENW, 185' FNL and 2262' FWL, Section 6, T7S-R20E, SLB&M (surface hole)

Lot 3, NENW, 660' FNL and 1980' FWL, Section 6, T7S-R20E, SLB&M (bottom hole)

Uintah County, Utah

1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth – TVD</u>
Green River*	4558'	4542'
Mahogany	5846'	5822'
TGR3	7001'	6972'
Black Shale	7711'	7682'
Wasatch*	8621'	8592'
TD	9421'	9392'

*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 912'

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1500'	No pressure control required
1500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1500'	9 5/8"	36#	J or K 55	ST&C	New
7 7/8"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

*The casing program is based on recent wells drilled by Axia in the immediate area.

9-5/8" casing may be preset with a spudder rig. If this occurs, the following equipment shall be in place and operational during air/gas drilling:

Bill Barrett Corporation
Drilling Program
Aurora Federal 3-6D-7-20
Uintah County, Utah

- Properly lubricated and maintained rotating head
- Spark arresters on engines or water cooled exhaust
- Blooie line discharge 100 feet from well bore and securely anchored
- Straight run on blooie line unless otherwise approved
- Deduster equipment
- All cuttings and circulating medium shall be directed into a reserve or blooie pit
- Float valve above bit
- Automatic igniter or continuous pilot light on the blooie line
- Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the well bore
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits

5. Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 190 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. TOC @ 1,000'
5 1/2" Production Casing	Lead: 700 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 1,000' Tail: 410 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 7211'

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> <u>(API filtrate)</u>	<u>Remarks</u>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 1500'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1500' – TD	8.6 – 9.6	42 – 52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

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Drilling Program
Aurora Federal 3-6D-7-20
Uintah County, Utah

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4688 psi* and maximum anticipated surface pressure equals approximately 2621 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A - (0.22 x TD)

9. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
 - b) Inside BOP or stab-in valve (available on rig floor)
 - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Green River located in Sec. 33, T8S-R20E.

11. Drilling Schedule

Location Construction: JANUARY 2013
Spud: JANUARY 2013
Duration: 15 days drilling time
45 days completion time



Bill Barrett Corporation

AURORA CEMENT VOLUMES

Well Name: Aurora Federal 3-6D-7-20

Surface Hole Data:

Total Depth:	1,500'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	548.1	ft ³
Lead Fill:	1,000'	
Tail Volume:	274.0	ft ³
Tail Fill:	500'	

Cement Data:

Lead Yield:	3.16	ft ³ /sk
% Excess:	75%	
Top of Lead:	0'	

Calculated # of Sacks:

# SK's Lead:	190
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Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	1,000'	

# SK's Tail:	210
--------------	-----

Production Hole Data:

Total Depth:	9,421'
Top of Cement:	1,000'
Top of Tail:	7,211'
OD of Hole:	7.875"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1614.1	ft ³
Lead Fill:	6,211'	
Tail Volume:	574.4	ft ³
Tail Fill:	2,210'	

Cement Data:

Lead Yield:	2.31	ft ³ /sk
Tail Yield:	1.42	ft ³ /sk
% Excess:	50%	

Calculated # of Sacks:

# SK's Lead:	700
# SK's Tail:	410

Aurora Federal 3-6D-7-20 Proposed Cementing Program
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<u>Job Recommendation</u>	<u>Surface Casing</u>
Lead Cement - (1000' - 0')	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 1,000'
	Volume: 97.61 bbl
	Proposed Sacks: 190 sks
Tail Cement - (TD - 1000')	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft ³ /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 1,000'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	Proposed Sacks: 210 sks

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (7211' - 1000')	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft ³ /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 1,000'
	Calculated Fill: 6,211'
	Volume: 287.46 bbl
	Proposed Sacks: 700 sks
Tail Cement - (9421' - 7211')	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 7,211'
	Calculated Fill: 2,210'
	Volume: 102.30 bbl
	Proposed Sacks: 410 sks

T7S, R20E, S.L.B.&M.

R 19
E 20

2.5" Brass Cap, 1.0' High
N89°01'32"W
2495.76' (Meas.)

1988 Brass Cap
0.4' High, Pile of Stones
N88°51'50"W
2663.15' (Meas.)

1988 Brass Cap
0.4' High, Pile of Stones
N89°43'20"E
1329.25' (Meas.)

1988 Brass Cap
0.4' High, Pile of Stones
N89°43'20"E
1329.25' (Meas.)

T7S
T6S

AURORA FEDERAL
#3-6D-7-20
Elev. Ungraded Ground = 4990'

Target
Bottom Hole
N00°44'14"W
1409.16' (Meas.)
N89°43'44"E
1328.93' (Meas.)

1988 Brass Cap
Flush W/Ground
1988 Brass Cap
0.2' Below Ground
1988 Brass Cap
0.1' High, Pile of Stones, Fence

500°37'46"E - 2774.15' (Meas.)

500°08'47"E - 2683.79' (Meas.)

N00°39'54"W - 2651.03' (Meas.)

N00°23'15"W
1325.09' (Meas.)

N00°34'56"W
1343.58' (Meas.)

Spike, 0.3' Below Ground
N89°31'20"E - 5174.26' (Meas.)
1988 Brass Cap
0.2' High, Pile of Stones

LEGEND:

- 90° SYMBOL
- PROPOSED WELL HEAD.
- SECTION CORNERS LOCATED

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°14'43.70" (40.245472)	LATITUDE = 40°14'48.35" (40.246764)	LATITUDE = 40°14'48.35" (40.246764)	LATITUDE = 40°14'48.35" (40.246764)
LONGITUDE = 109°42'53.15" (109.714764)	LONGITUDE = 109°42'49.58" (109.713772)	LONGITUDE = 109°42'49.58" (109.713772)	LONGITUDE = 109°42'49.58" (109.713772)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°14'43.84" (40.245511)	LATITUDE = 40°14'48.49" (40.246803)	LATITUDE = 40°14'48.49" (40.246803)	LATITUDE = 40°14'48.49" (40.246803)
LONGITUDE = 109°42'50.64" (109.714067)	LONGITUDE = 109°42'47.08" (109.713078)	LONGITUDE = 109°42'47.08" (109.713078)	LONGITUDE = 109°42'47.08" (109.713078)

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Well location, AURORA FEDERAL #3-6D-7-20, located as shown in LOT 3 of Section 6, T7S, R20E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

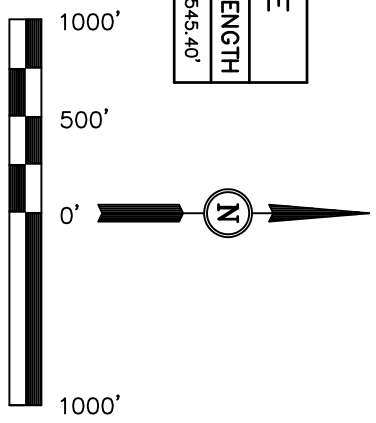
BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LINE TABLE

LINE	DIRECTION	LENGTH
L1	S30°27'40"W	545.40'



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REV: 08-28-12

REGISTERED LAND SURVEYOR
KAX
STATE OF UTAH
09-05-12

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 06-01-12	DATE DRAWN: 06-13-12
PARTY C.R. T.B. K.O.	REFERENCES G.L.O. PLAT	FILE BILL BARRETT CORPORATION
WEATHER WARM		

BILL BARRETT CORPORATION
AURORA FEDERAL #3-6D-7-20
LOCATED IN UTAH COUNTY, UTAH
SECTION 6, T7S, R20E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS

06
MONTH

12
DAY

12
YEAR

PHOTO

TAKEN BY: C.R.

DRAWN BY: J.L.H.

REV:08-29-12J.L.G.

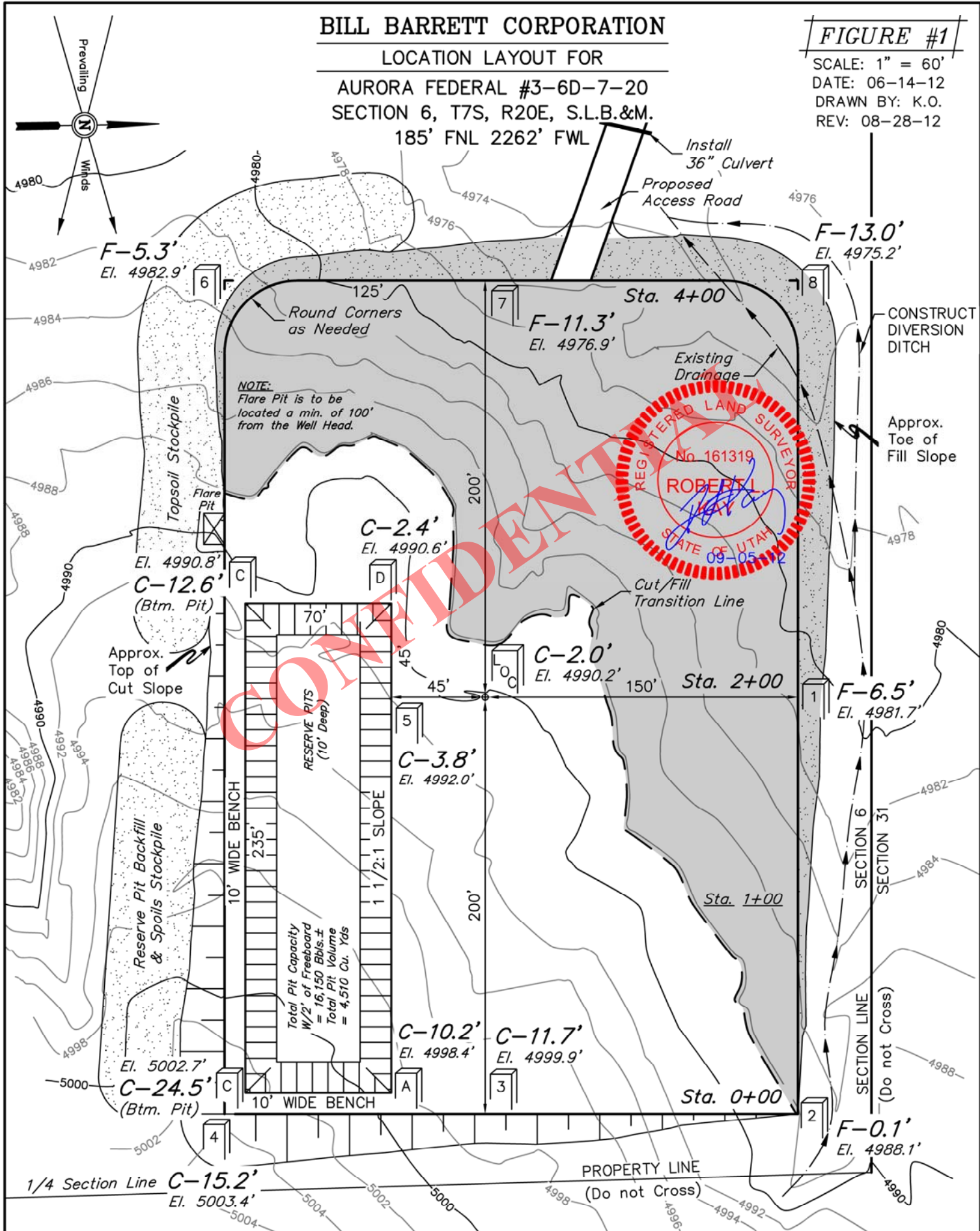
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LOCATION LAYOUT FOR

AURORA FEDERAL #3-6D-7-20
SECTION 6, T7S, R20E, S.L.B.&M.
185' FNL 2262' FWL

FIGURE #1

SCALE: 1" = 60'
DATE: 06-14-12
DRAWN BY: K.O.
REV: 08-28-12



Elev. Ungraded Ground At Loc. Stake = **4990.2'**
FINISHED GRADE ELEV. AT LOC. STAKE = **4988.2'**

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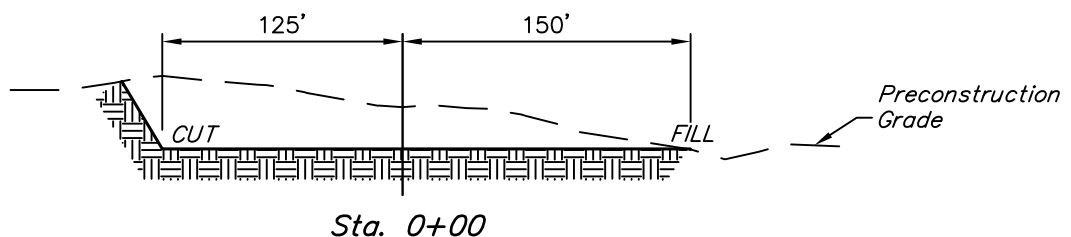
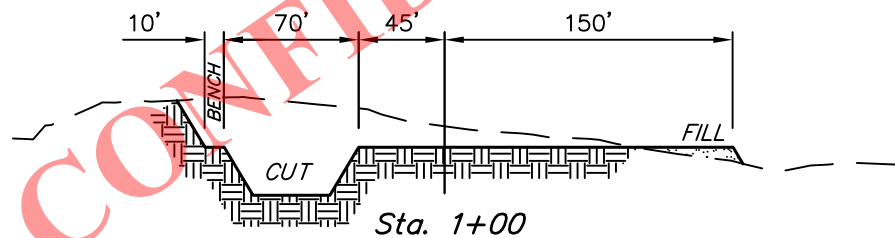
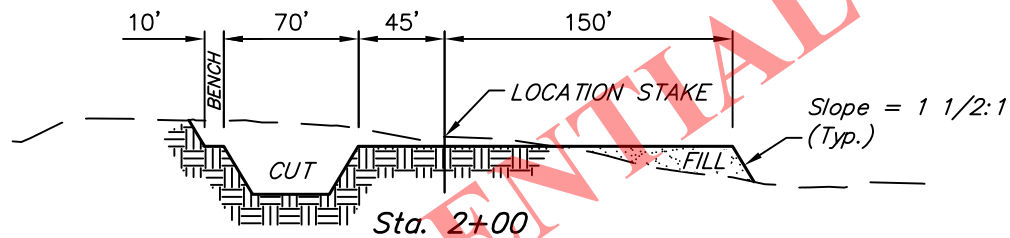
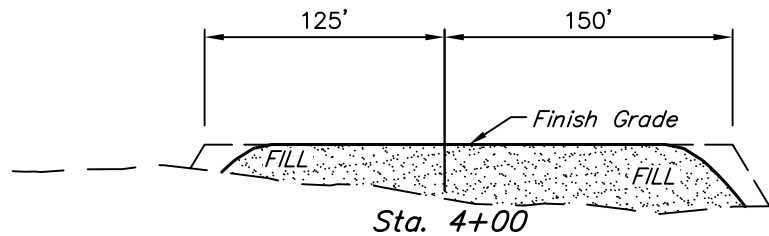
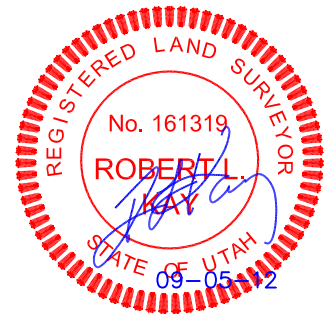
BILL BARRETT CORPORATION**TYPICAL CROSS SECTIONS FOR**

AURORA FEDERAL #3-6D-7-20
SECTION 6, T7S, R20E, S.L.B.&M.
185' FNL 2262' FWL

FIGURE #2

X-Section
 Scale
 1" = 40'
 1" = 100'

DATE: 06-14-12
 DRAWN BY: K.O.
 REV: 08-28-12

**NOTE:**

Topsoil should not be
 Stripped Below Finished
 Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.967 ACRES
 ACCESS ROAD DISTURBANCE = ± 3.268 ACRES
 PIPELINE DISTURBANCE = ± 3.281 ACRES
 TOTAL = ± 10.516 ACRES

* NOTE:
 FILL QUANTITY INCLUDES
 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,360 Cu. Yds.
 Remaining Location = 15,840 Cu. Yds.
TOTAL CUT = 18,200 CU. YDS.
FILL = 13,580 CU. YDS.

EXCESS MATERIAL = 4,620 Cu. Yds.
 Topsoil & Pit Backfill = 4,620 Cu. Yds.
 (1/2 Pit Vol.)
 EXCESS UNBALANCE = 0 Cu. Yds.
 (After Interim Rehabilitation)

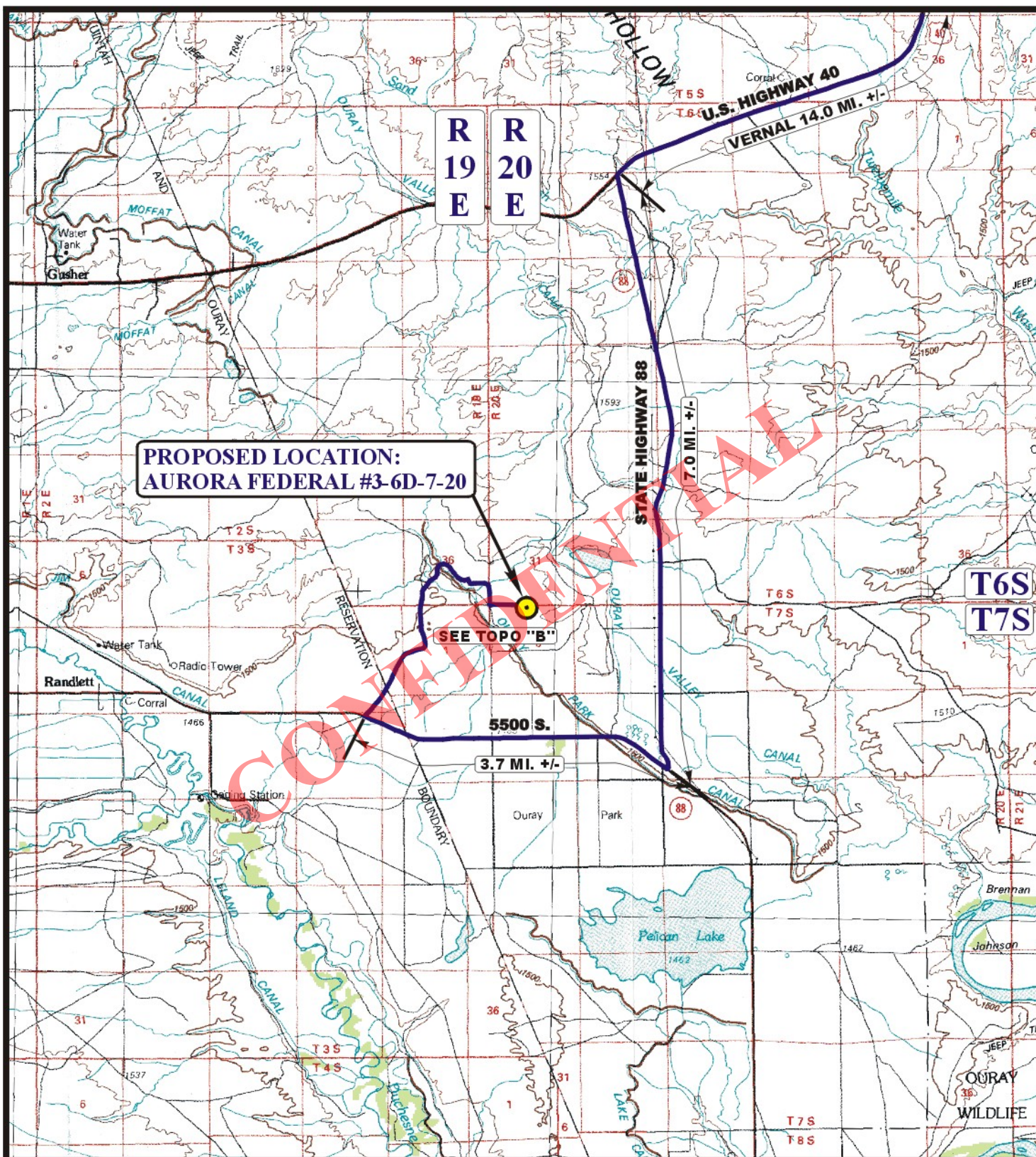
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AURORA FEDERAL #3-6D-7-20
SECTION 6, T7S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF THIS ROAD AND STATE HIGHWAY 88 TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 7.0 MILES TO THE JUNCTION OF THIS ROAD AND 5500 S. TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN WESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 3.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN NORTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE EXISTING FD #11-36-6-19 LOCATION; PROCEED IN A NORTHERLY, THEN NORTHEASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN EASTERLY, THEN SOUTHERLY, THEN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 4,803' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 28.2 MILES.



LEGEND:

 PROPOSED LOCATION



BILL BARRETT CORPORATION

AURORA FEDERAL #3-6D-7-20
SECTION 6, T7S, R20E, S.L.B.&M.
 185' FNL, 2262' FWL



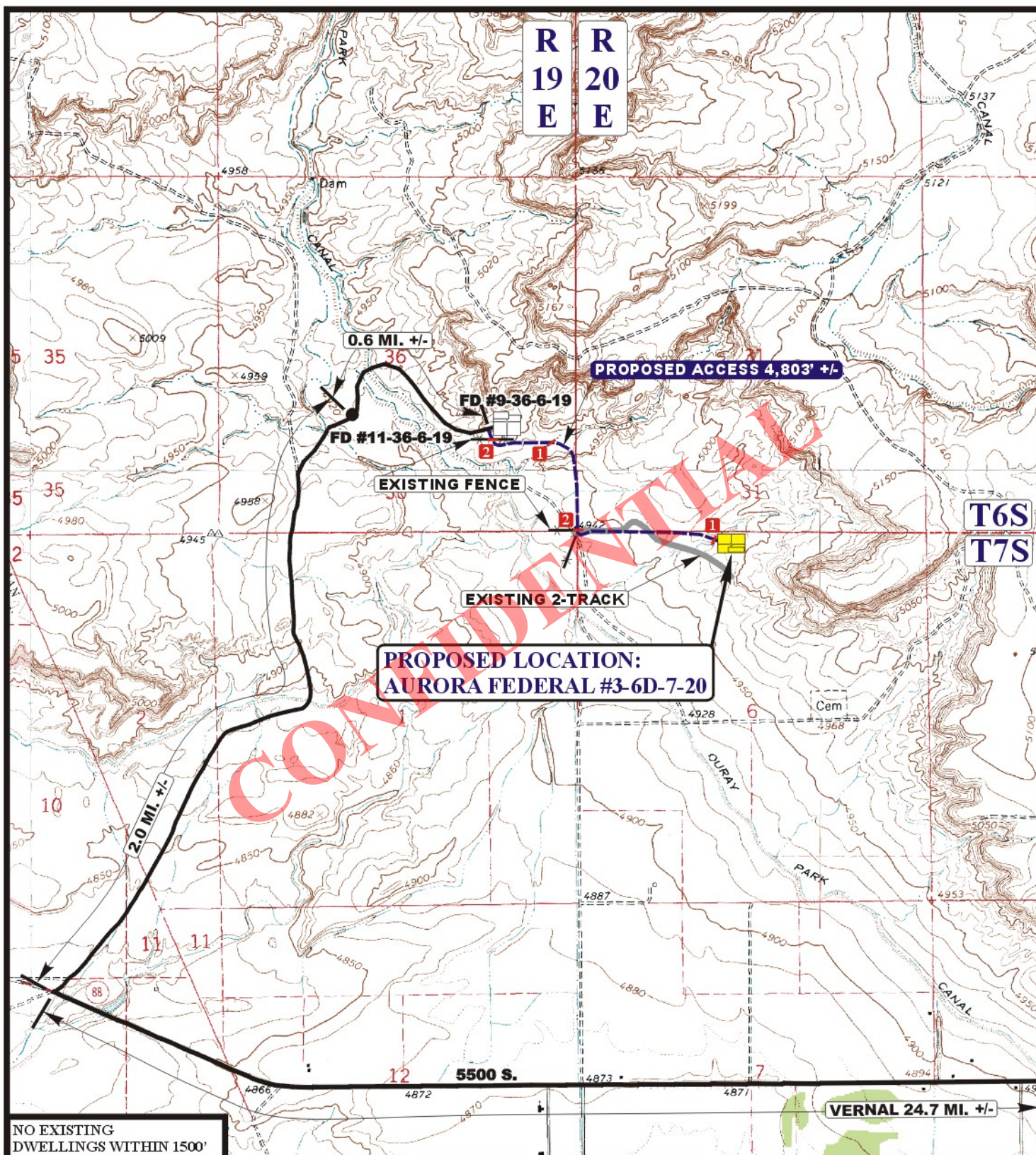
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 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD
MAP

06 **12** **12**
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: J.L.H. REV:08-29-12J.L.G.





NO EXISTING DWELLINGS WITHIN 1500'

LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK
- EXISTING FENCE
- 36" CMP REQUIRED
- INSTALL CATTLE GAURD



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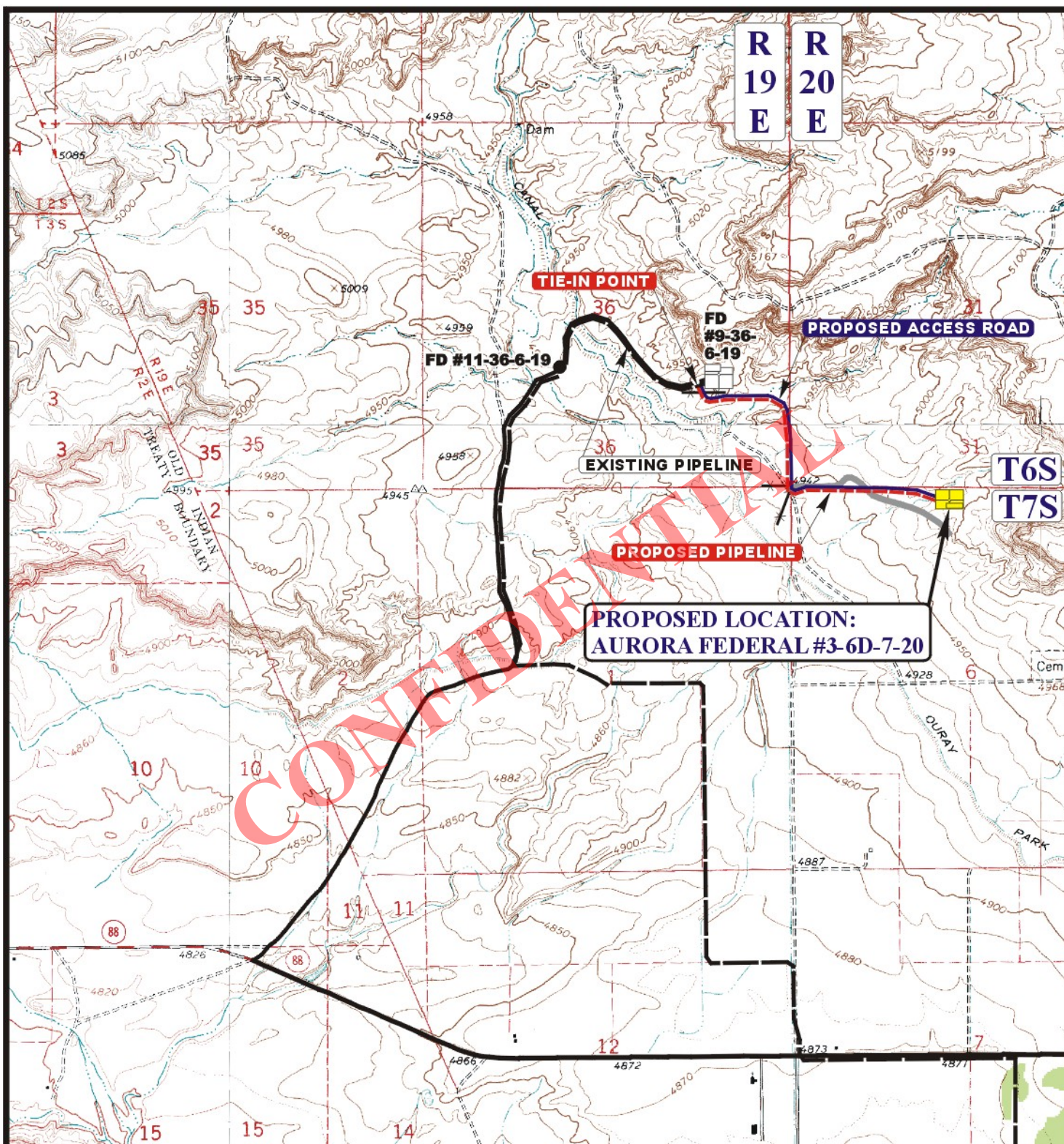
AURORA FEDERAL #3-6D-7-20
SECTION 6, T7S, R20E, S.L.B.&M.
185' FNL, 2262' FWL

**ACCESS ROAD
MAP**

06 12 12
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.H. REV: 08-29-12 J.L.G.

**B
TOPO**



APPROXIMATE TOTAL PIPELINE DISTANCE = 4822' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

BILL BARRETT CORPORATION

AURORA FEDERAL #3-6D-7-20
SECTION 6, T7S, R20E, S.L.B.&M.
 185' FNL, 2262' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



**TOPOGRAPHIC
MAP**

06 12 12
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: J.L.H. REVISED: 00-00-00



BILL BARRETT CORP

UINTAH COUNTY

Aurora Federal 3-6D-7-20

Aurora Federal 3-6D-7-20

Aurora Federal 3-6D-7-20

Plan: Design #1

Standard Planning Report

23 October, 2012



Bill Barrett Corporation

SITE DETAILS: Aurora Federal 3-6D-7-20
East BluebellSite Latitude: 40° 14' 48.491 N
Site Longitude: 109° 42' 47.081 W**COMPANY DETAILS: BILL BARRETT CORP**Calculation Method: Minimum Curvature
Error System: ISCWSA
Scan Method: Closest Approach 3D
Error Surface: Elliptical Conic
Warning Method: Error RatioPositional Uncertainty: 0.0
Convergence: 1.18
Local North: True**WELL DETAILS: Aurora Federal 3-6D-7-20**

Ground Level: 4988.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	-26396.54	2498854.80	40° 14' 48.491 N	109° 42' 47.081 W	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Aurora Federal 3-6D-7-20 BTV	6972.0	-470.7	-276.140° 14' 43.840 N	109° 42' 50.641 W	Rectangle (Sides: L200.0 W200.0)	
Aurora Federal 3-6D-7-20 PBHL	9392.0	-470.7	-276.140° 14' 43.840 N	109° 42' 50.641 W	Rectangle (Sides: L200.0 W200.0)	

SECTION DETAILS

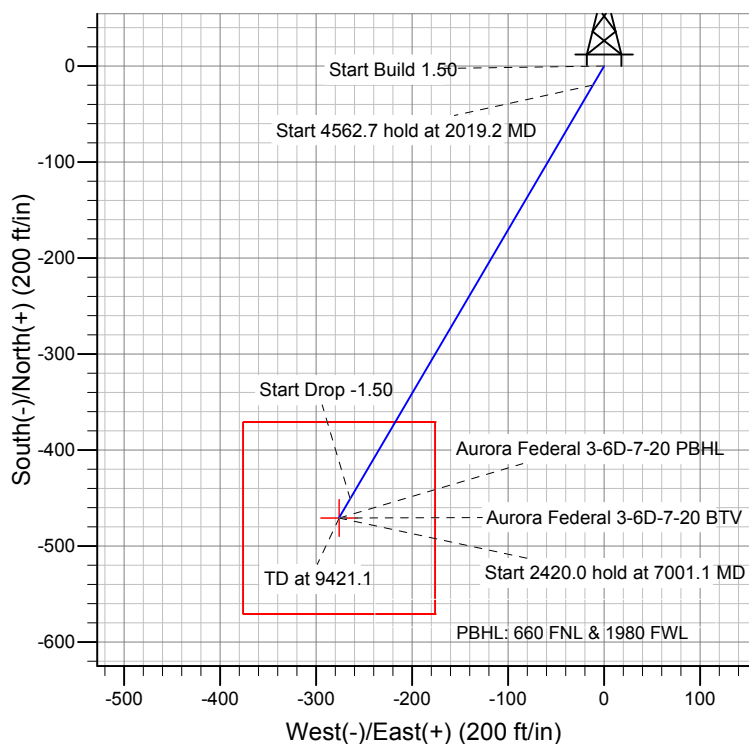
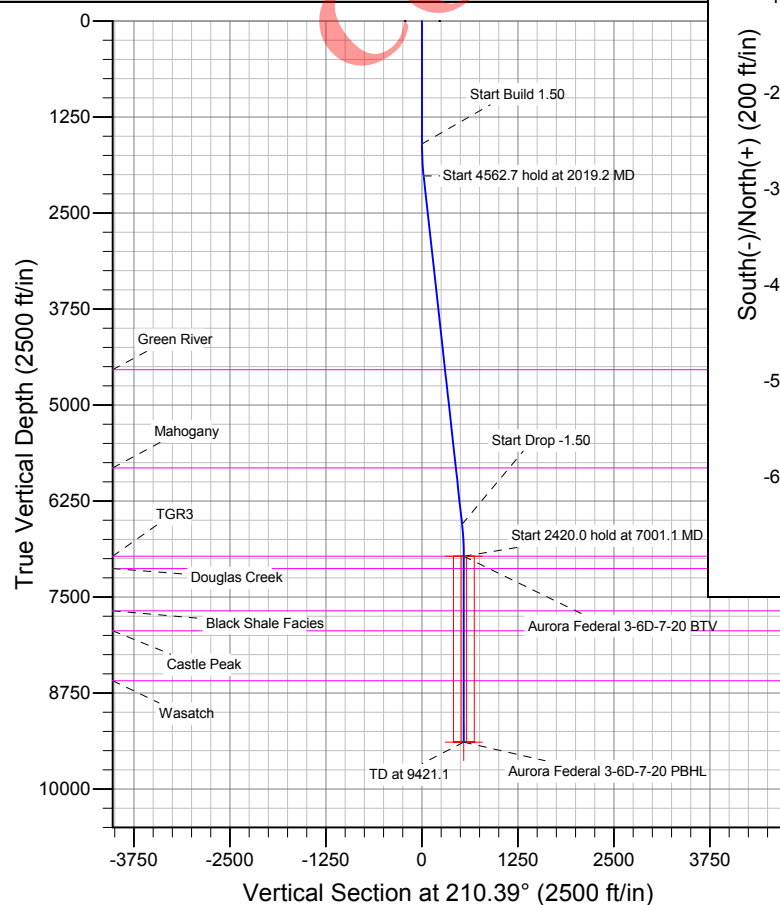
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1600.0	0.00	0.00	1600.0	0.0	0.0	0.00	0.00	0.0	
3	2019.2	6.29	210.39	2018.4	-19.8	-11.6	1.50	210.39	23.0	
4	6581.9	6.29	210.39	6553.6	-450.9	-264.5	0.00	0.00	522.7	
5	7001.1	0.00	0.00	6972.0	-470.7	-276.1	1.50	180.00	545.7	Aurora Federal 3-6D-7-20 BTV
6	9421.1	0.00	0.00	9392.0	-470.7	-276.1	0.00	0.00	545.7	Aurora Federal 3-6D-7-20 PBHL

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4542.0	4558.1	Green River
5822.0	5845.9	Mahogany
6972.0	7001.1	TGR3
7132.0	7161.1	Douglas Creek
7682.0	7711.1	Black Shale Facies
7942.0	7971.1	Castle Peak
8592.0	8621.1	Wasatch

CASING DETAILS

No casing data is available

Azimuths to True North
Magnetic North: 11.02°Magnetic Field
Strength: 52297.2snT
Dip Angle: 65.99°
Date: 10/23/2012
Model: IGRF2010

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site Aurora Federal 3-6D-7-20
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5003.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5003.0ft (Original Well Elev)
Site:	Aurora Federal 3-6D-7-20	North Reference:	True
Well:	Aurora Federal 3-6D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Aurora Federal 3-6D-7-20		
Design:	Design #1		

Project	UINTAH COUNTY		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah North 4301		

Site	Aurora Federal 3-6D-7-20			
Site Position:		Northing:	-26,396.53 ft	Latitude: 40° 14' 48.491 N
From:	Lat/Long	Easting:	2,498,854.80 ft	Longitude: 109° 42' 47.081 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence: 1.18 °

Well	Aurora Federal 3-6D-7-20			
Well Position	+N/-S	0.0 ft	Northing:	-26,396.54 ft
	+E/-W	0.0 ft	Easting:	2,498,854.80 ft
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft
			Ground Level:	4,988.0 ft

Wellbore	Aurora Federal 3-6D-7-20				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/23/2012	11.03	65.99	52,297

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	210.39

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,019.2	6.29	210.39	2,018.4	-19.8	-11.6	1.50	1.50	0.00	210.39	
6,581.9	6.29	210.39	6,553.6	-450.9	-264.5	0.00	0.00	0.00	0.00	
7,001.1	0.00	0.00	6,972.0	-470.7	-276.1	1.50	-1.50	0.00	180.00	Aurora Federal 3-6D-7-20
9,421.1	0.00	0.00	9,392.0	-470.7	-276.1	0.00	0.00	0.00	0.00	Aurora Federal 3-6D-7-20

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site Aurora Federal 3-6D-7-20
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5003.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5003.0ft (Original Well Elev)
Site:	Aurora Federal 3-6D-7-20	North Reference:	True
Well:	Aurora Federal 3-6D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Aurora Federal 3-6D-7-20		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	1.50	210.39	1,700.0	-1.1	-0.7	1.3	1.50	1.50	0.00
1,800.0	3.00	210.39	1,799.9	-4.5	-2.6	5.2	1.50	1.50	0.00
1,900.0	4.50	210.39	1,899.7	-10.2	-6.0	11.8	1.50	1.50	0.00
2,000.0	6.00	210.39	1,999.3	-18.1	-10.6	20.9	1.50	1.50	0.00
2,019.2	6.29	210.39	2,018.4	-19.8	-11.6	23.0	1.50	1.50	0.00
2,100.0	6.29	210.39	2,098.7	-27.5	-16.1	31.8	0.00	0.00	0.00
2,200.0	6.29	210.39	2,198.1	-36.9	-21.6	42.8	0.00	0.00	0.00
2,300.0	6.29	210.39	2,297.5	-46.4	-27.2	53.7	0.00	0.00	0.00
2,400.0	6.29	210.39	2,396.9	-55.8	-32.7	64.7	0.00	0.00	0.00
2,500.0	6.29	210.39	2,496.3	-65.3	-38.3	75.6	0.00	0.00	0.00
2,600.0	6.29	210.39	2,595.7	-74.7	-43.8	86.6	0.00	0.00	0.00
2,700.0	6.29	210.39	2,695.1	-84.1	-49.4	97.5	0.00	0.00	0.00
2,800.0	6.29	210.39	2,794.5	-93.6	-54.9	108.5	0.00	0.00	0.00
2,900.0	6.29	210.39	2,893.9	-103.0	-60.4	119.5	0.00	0.00	0.00
3,000.0	6.29	210.39	2,993.3	-112.5	-66.0	130.4	0.00	0.00	0.00
3,100.0	6.29	210.39	3,092.7	-121.9	-71.5	141.4	0.00	0.00	0.00
3,200.0	6.29	210.39	3,192.1	-131.4	-77.1	152.3	0.00	0.00	0.00
3,300.0	6.29	210.39	3,291.5	-140.8	-82.6	163.3	0.00	0.00	0.00
3,400.0	6.29	210.39	3,390.9	-150.3	-88.1	174.2	0.00	0.00	0.00
3,500.0	6.29	210.39	3,490.2	-159.7	-93.7	185.2	0.00	0.00	0.00
3,600.0	6.29	210.39	3,589.6	-169.2	-99.2	196.1	0.00	0.00	0.00
3,700.0	6.29	210.39	3,689.0	-178.6	-104.8	207.1	0.00	0.00	0.00
3,800.0	6.29	210.39	3,788.4	-188.1	-110.3	218.0	0.00	0.00	0.00
3,900.0	6.29	210.39	3,887.8	-197.5	-115.9	229.0	0.00	0.00	0.00
4,000.0	6.29	210.39	3,987.2	-207.0	-121.4	239.9	0.00	0.00	0.00
4,100.0	6.29	210.39	4,086.6	-216.4	-126.9	250.9	0.00	0.00	0.00
4,200.0	6.29	210.39	4,186.0	-225.9	-132.5	261.8	0.00	0.00	0.00
4,300.0	6.29	210.39	4,285.4	-235.3	-138.0	272.8	0.00	0.00	0.00
4,400.0	6.29	210.39	4,384.8	-244.8	-143.6	283.8	0.00	0.00	0.00
4,500.0	6.29	210.39	4,484.2	-254.2	-149.1	294.7	0.00	0.00	0.00
4,558.1	6.29	210.39	4,542.0	-259.7	-152.3	301.1	0.00	0.00	0.00
Green River									
4,600.0	6.29	210.39	4,583.6	-263.7	-154.6	305.7	0.00	0.00	0.00
4,700.0	6.29	210.39	4,683.0	-273.1	-160.2	316.6	0.00	0.00	0.00
4,800.0	6.29	210.39	4,782.4	-282.5	-165.7	327.6	0.00	0.00	0.00
4,900.0	6.29	210.39	4,881.8	-292.0	-171.3	338.5	0.00	0.00	0.00
5,000.0	6.29	210.39	4,981.2	-301.4	-176.8	349.5	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site Aurora Federal 3-6D-7-20
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5003.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5003.0ft (Original Well Elev)
Site:	Aurora Federal 3-6D-7-20	North Reference:	True
Well:	Aurora Federal 3-6D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Aurora Federal 3-6D-7-20		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.0	6.29	210.39	5,080.6	-310.9	-182.4	360.4	0.00	0.00	0.00
5,200.0	6.29	210.39	5,180.0	-320.3	-187.9	371.4	0.00	0.00	0.00
5,300.0	6.29	210.39	5,279.4	-329.8	-193.4	382.3	0.00	0.00	0.00
5,400.0	6.29	210.39	5,378.8	-339.2	-199.0	393.3	0.00	0.00	0.00
5,500.0	6.29	210.39	5,478.2	-348.7	-204.5	404.2	0.00	0.00	0.00
5,600.0	6.29	210.39	5,577.6	-358.1	-210.1	415.2	0.00	0.00	0.00
5,700.0	6.29	210.39	5,677.0	-367.6	-215.6	426.1	0.00	0.00	0.00
5,800.0	6.29	210.39	5,776.4	-377.0	-221.1	437.1	0.00	0.00	0.00
5,845.9	6.29	210.39	5,822.0	-381.4	-223.7	442.1	0.00	0.00	0.00
Mahogany									
5,900.0	6.29	210.39	5,875.8	-386.5	-226.7	448.0	0.00	0.00	0.00
6,000.0	6.29	210.39	5,975.2	-395.9	-232.2	459.0	0.00	0.00	0.00
6,100.0	6.29	210.39	6,074.6	-405.4	-237.8	470.0	0.00	0.00	0.00
6,200.0	6.29	210.39	6,174.0	-414.8	-243.3	480.9	0.00	0.00	0.00
6,300.0	6.29	210.39	6,273.4	-424.3	-248.9	491.9	0.00	0.00	0.00
6,400.0	6.29	210.39	6,372.8	-433.7	-254.4	502.8	0.00	0.00	0.00
6,500.0	6.29	210.39	6,472.2	-443.2	-259.9	513.8	0.00	0.00	0.00
6,581.9	6.29	210.39	6,553.6	-450.9	-264.5	522.7	0.00	0.00	0.00
6,600.0	6.02	210.39	6,571.6	-452.6	-265.5	524.7	1.50	-1.50	0.00
6,700.0	4.52	210.39	6,671.2	-460.5	-270.1	533.9	1.50	-1.50	0.00
6,800.0	3.02	210.39	6,771.0	-466.2	-273.4	540.4	1.50	-1.50	0.00
6,900.0	1.52	210.39	6,870.9	-469.6	-275.4	544.4	1.50	-1.50	0.00
7,000.0	0.02	210.39	6,970.9	-470.7	-276.1	545.7	1.50	-1.50	0.00
7,001.1	0.00	0.00	6,972.0	-470.7	-276.1	545.7	1.50	-1.50	13,191.42
TGR3 - Aurora Federal 3-6D-7-20 BTV									
7,100.0	0.00	0.00	7,070.9	-470.7	-276.1	545.7	0.00	0.00	0.00
7,161.1	0.00	0.00	7,132.0	-470.7	-276.1	545.7	0.00	0.00	0.00
Douglas Creek									
7,200.0	0.00	0.00	7,170.9	-470.7	-276.1	545.7	0.00	0.00	0.00
7,300.0	0.00	0.00	7,270.9	-470.7	-276.1	545.7	0.00	0.00	0.00
7,400.0	0.00	0.00	7,370.9	-470.7	-276.1	545.7	0.00	0.00	0.00
7,500.0	0.00	0.00	7,470.9	-470.7	-276.1	545.7	0.00	0.00	0.00
7,600.0	0.00	0.00	7,570.9	-470.7	-276.1	545.7	0.00	0.00	0.00
7,700.0	0.00	0.00	7,670.9	-470.7	-276.1	545.7	0.00	0.00	0.00
7,711.1	0.00	0.00	7,682.0	-470.7	-276.1	545.7	0.00	0.00	0.00
Black Shale Facies									
7,800.0	0.00	0.00	7,770.9	-470.7	-276.1	545.7	0.00	0.00	0.00
7,900.0	0.00	0.00	7,870.9	-470.7	-276.1	545.7	0.00	0.00	0.00
7,971.1	0.00	0.00	7,942.0	-470.7	-276.1	545.7	0.00	0.00	0.00
Castle Peak									
8,000.0	0.00	0.00	7,970.9	-470.7	-276.1	545.7	0.00	0.00	0.00
8,100.0	0.00	0.00	8,070.9	-470.7	-276.1	545.7	0.00	0.00	0.00
8,200.0	0.00	0.00	8,170.9	-470.7	-276.1	545.7	0.00	0.00	0.00
8,300.0	0.00	0.00	8,270.9	-470.7	-276.1	545.7	0.00	0.00	0.00
8,400.0	0.00	0.00	8,370.9	-470.7	-276.1	545.7	0.00	0.00	0.00
8,500.0	0.00	0.00	8,470.9	-470.7	-276.1	545.7	0.00	0.00	0.00
8,600.0	0.00	0.00	8,570.9	-470.7	-276.1	545.7	0.00	0.00	0.00
8,621.1	0.00	0.00	8,592.0	-470.7	-276.1	545.7	0.00	0.00	0.00
Wasatch									
8,700.0	0.00	0.00	8,670.9	-470.7	-276.1	545.7	0.00	0.00	0.00
8,800.0	0.00	0.00	8,770.9	-470.7	-276.1	545.7	0.00	0.00	0.00
8,900.0	0.00	0.00	8,870.9	-470.7	-276.1	545.7	0.00	0.00	0.00
9,000.0	0.00	0.00	8,970.9	-470.7	-276.1	545.7	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site Aurora Federal 3-6D-7-20
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5003.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5003.0ft (Original Well Elev)
Site:	Aurora Federal 3-6D-7-20	North Reference:	True
Well:	Aurora Federal 3-6D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Aurora Federal 3-6D-7-20		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,100.0	0.00	0.00	9,070.9	-470.7	-276.1	545.7	0.00	0.00	0.00
9,200.0	0.00	0.00	9,170.9	-470.7	-276.1	545.7	0.00	0.00	0.00
9,300.0	0.00	0.00	9,270.9	-470.7	-276.1	545.7	0.00	0.00	0.00
9,400.0	0.00	0.00	9,370.9	-470.7	-276.1	545.7	0.00	0.00	0.00
9,421.1	0.00	0.00	9,392.0	-470.7	-276.1	545.7	0.00	0.00	0.00
Aurora Federal 3-6D-7-20 PBHL									

Formations

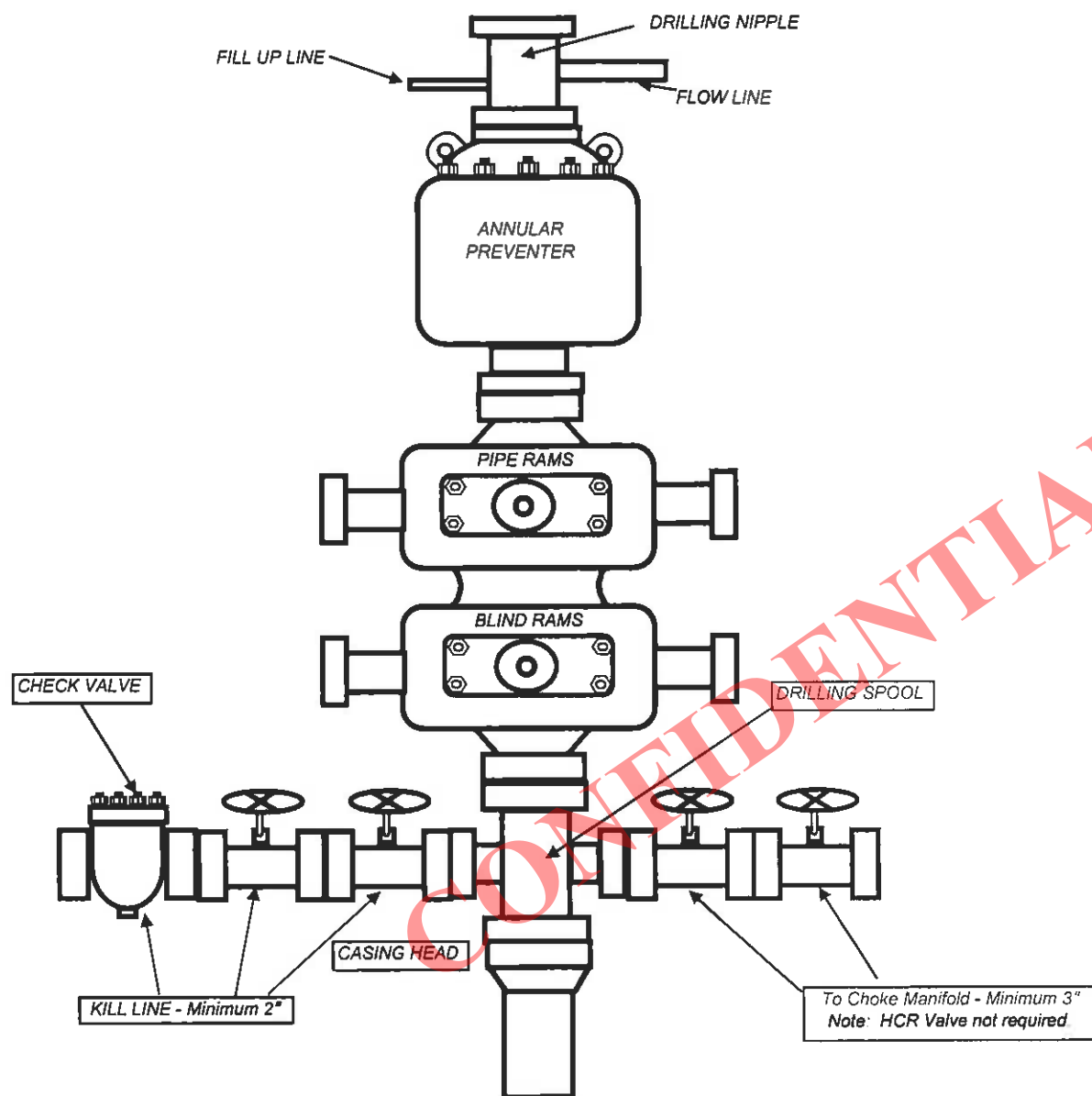
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,558.1	4,542.0	Green River		0.00	
5,845.9	5,822.0	Mahogany		0.00	
7,001.1	6,972.0	TGR3		0.00	
7,161.1	7,132.0	Douglas Creek		0.00	
7,711.1	7,682.0	Black Shale Facies		0.00	
7,971.1	7,942.0	Castle Peak		0.00	
8,621.1	8,592.0	Wasatch		0.00	

BBC has permission to onsite from surface owner; SUA has not yet been finalized but will be submitted following the onsite.

CONFIDENTIAL

BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER





Bill Barrett Corporation

December 10, 2012

Utah Division of Oil, Gas and Mining
Attention: Dustin Doucet
1594 West North Temple, Suite 1120
Salt Lake City, Utah

RE: Commingling Application
Aurora Deep Unit
Aurora Federal 3-6D-7-20
NENW Section 6 T7S-R20E
Uintah County, UT

Dear Mr. Doucet,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well located in the Aurora Deep Unit. In compliance with Utah OGM regulation R649-3-22, BBC has enclosed copies of the completed application.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

Brady Riny
for

Thomas J. Abell
Landman

Enclosures



October 31, 2012

Forest Oil Corporation
Attn: Ken Mcphee
707 17th St # 3600
Denver, CO 80202

RE: Commingling Application
Aurora 3-6D-7-20
Uintah County, UT

Dear Mr. Mcphee,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

Brady Riley

Thomas J. Abell *for*
Landman

Enclosures

CONFIDENTIAL



October 31, 2012

EnCana Oil & Gas (USA), Inc.
Attn: Judy Tatham
370 17th Street, Suite 1700
Denver, CO 80202

RE: Commingling Application
Aurora 3-6D-7-20
Uintah County, UT

Dear Ms. Tatham,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

Brady River
Thomas J. Abell
Landman

Enclosures



AFFIDAVIT OF NOTICE

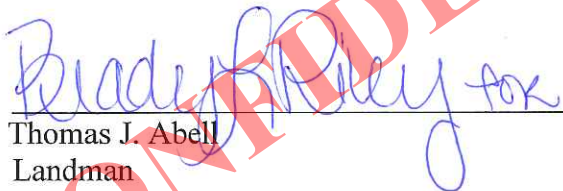
My name is Thomas J. Abell. I am a Landman with Bill Barrett Corporation (BBC). BBC has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the following well within the Aurora Unit:

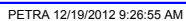
Aurora 3-6D-7-20 NENW Section 6 T7S-R20E

Bill Barrett Corporation owns 100% Leasehold in lands contiguous to drilling unit and therefore we did not notify any other parties.

Date: December 10, 2012

Affiant

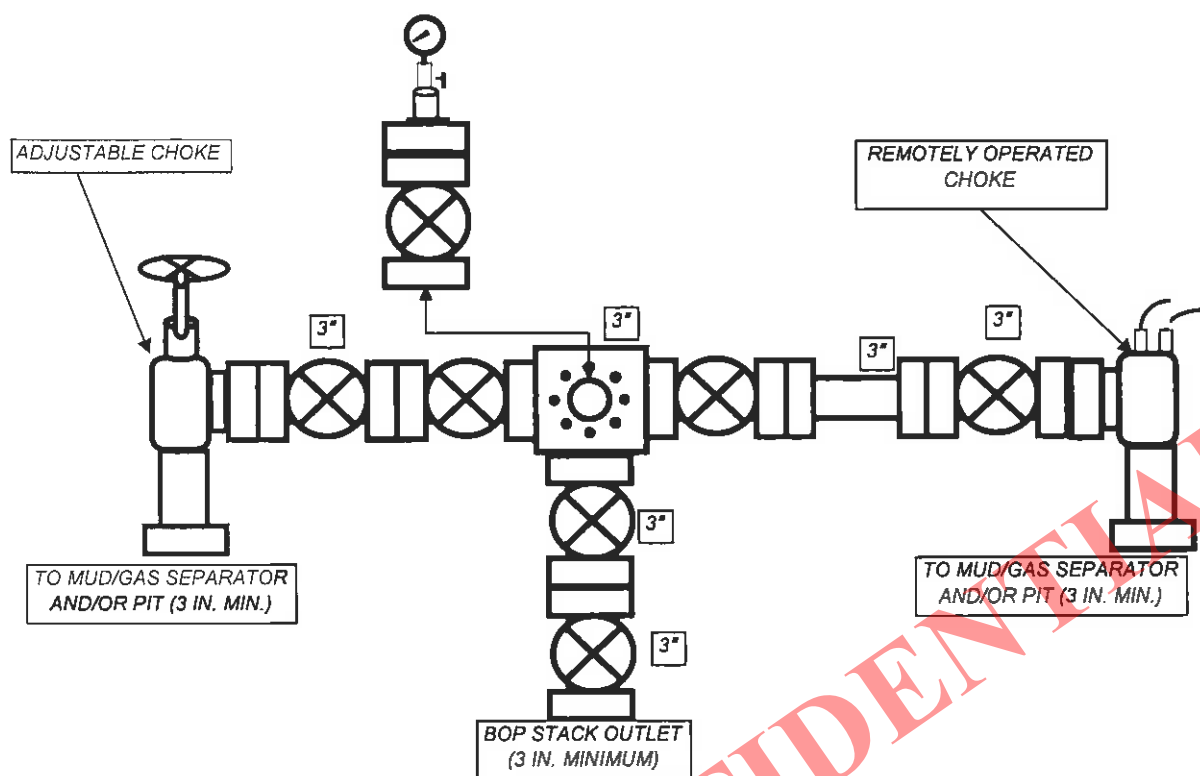

Thomas J. Abell
Landman



RECEIVED: November 01, 2012

BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD



April 4, 2013

Ms. Diana Mason – Petroleum Technician
State of Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Directional Drilling Location- Aurora Federal 3-6D-7-20
East Bluebell Area
Surface: 185' FNL and 2262' FWL, Sec. 6, T7S-R20E SLM
Bottom Hole: 660' FNL and 1980' FWL, Sec. 6, T7S-R20E SLM

Uintah County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Sitting of Wells.

- The proposed location is within our East Bluebell Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under UTU-75241.
- BBC certifies that it is the owner of the oil and gas within the tracts within 460 feet from all points along the intended well bore and that all owners, now known, to the proposed directional drilling program, have been notified of BBC's intention to drill a directional well. BBC further certifies that it has obtained written consent from at least one owner in each tract within 460 feet of the intended well bore in which BBC is not an owner. The captioned well is subject to Utah statewide citing.

RECEIVED: April 04, 2013

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8757.

BILL BARRETT CORPORATION


Thomas J. Abell
Landman

CONFIDENTIAL

ROAD AND PIPELINE RIGHT-OF-WAY AGREEMENT

STATE OF UTAH }
COUNTY OF UTAH } SS

THAT, effective on this 5th day of November, 2012,

Robert W. Conrad whose address is 5510 South 300 West, Murray, Utah 84107

("GRANTOR"), the receipt and sufficiency of which is hereby acknowledged, does hereby grant to Aurora Gathering, LLC ("GRANTEE"), of 1099 18th Street, #2300, Denver, CO 80202, its successors or assigns, a right-of-way to construct, maintain and use a road for the purpose of drilling, operating and maintaining a well or wells for the production of the oil and/or gas, along with the right to lay, construct, maintain, alter, inspect, repair, replace, change the size of, operate, and remove pipelines and from time to time add additional pipelines or multiple pipelines, drips, valves, electrical power lines, whether buried or overhead, cathodic equipment, and all appurtenances convenient for the maintenance and operation of said lines and for the transportation of oil, gas, produced water, or other substances therein, under, on, over and through the premises hereinafter described, and the Grantee is granted the right of ingress and egress, over and across said road and lands for any purpose necessary or incidental to the drilling, operating and maintaining a well or wells owned by Grantee.

The said right-of-way shall be located over and across the following described lands owned by the Grantor in Uintah County, State of Utah, to-wit:

Township 7 South, Range 19 East, SLM
Section 1: A tract of land lying in the NE/4NE/4

As further described on Exhibit "A" attached hereto and made a part hereof.

To have and to hold said easements, rights, and right-of-way unto the said Grantee, its successors and assigns.

All pipelines installed hereunder shall be buried where practical. Grantor shall not place anything over or so close to any pipeline, road, or other facility of Grantee as will be likely to interfere with Grantee's access thereto by use of equipment of means customarily employed in the maintenance of pipelines. Grantee to pay for all damage to growing crops, drainage tile and fences of Grantor arising out of the construction or repair of any of the pipelines, roads, and facilities herein authorized to be maintained and operated by Grantee. This easement shall not exceed Sixty (60') feet for construction and Fifty (30') feet for the permanent easement. Pipelines and disturbed ground, not in the permanent road easement, to be reseeded at recommended seeding rates per Surface Owner once cleanup is completed.

The foregoing sets out the entire agreement between Grantor and Grantee, and supersedes any prior oral or written agreements or negotiations not set out in writing herein or in the oil and gas lease covering the above described lands. No provisions of this agreement shall be modified, altered or waived except by written amendment executed by the parties or their representatives as set forth below. This agreement shall not act to modify or diminish operator's rights and privileges under any oil and gas leases owned by Operator covering all or any portion of the above described lands.

For the same consideration, the undersigned agree to account to any party who may be entitled to any portion of the aforementioned sum, and to indemnify and hold harmless Aurora Gathering, LLC, its successors and assigns, from any claim by any other party for damages to the above described lands and the improvements and crops and other things situated thereon.

Grantor shall be held harmless from any claim or demand made on the grounds of damage to property or injury to or death of persons, arising out of Grantee's exercise of the rights herein granted.

This agreement shall terminate within six (6) months after cessation of use by Grantee. Following completion of the road and installation of power line and pipelines, Grantee agrees to restore the surface of said land as nearly as is reasonably practical to its original condition.

This agreement is signed by Grantor and Grantee as of the date of acknowledgment of their signatures below, but is effective for all purposes as of the Effective Date stated above.

This agreement shall be binding upon the successors and assigns of the parties hereto and shall be deemed to be a covenant running with the lands described above. However, any successor to Grantee's interest is obligated to notify surface owner of new ownership and provide to the surface owner viable contact information.

IN WITNESS WHEREOF, the GRANTOR and GRANTEE herein named have hereunto set their hand and seal this 9 day of Nov, 2012.

GRANTOR:
Robert W. Conrad

GRANTEE:
Aurora Gathering, LLC.
Huntington T. Walker, Senior Vice President Land

ACKNOWLEDGEMENT

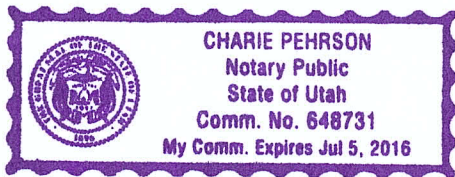
State of Utah }
County of Salt Lake } :SS

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 9 day of November, 2012, personally appeared **Robert Conrad** to me known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

My Commission Expires: 7-5-2016

Charie Pehrson
Notary Public

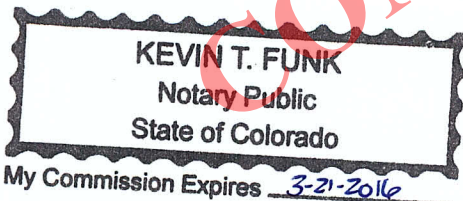


Residing At: Murray, Utah

ACKNOWLEDGEMENT

STATE OF Colorado)
COUNTY OF Denver) SS

On the 20th day of November, 2012, before me the undersigned authority, appeared **Huntington T. Walker**, to me personally known, who, being sworn, did say that he is the **Senior Vice President Land for Aurora Gathering, LLC**, and that the foregoing instrument was signed in behalf of said Corporation and Appeared acknowledged to me that said instrument to be the free act and deed of the Corporation.



Kevin Funk
Notary Public for the State of CO

Residing at Denver, CO

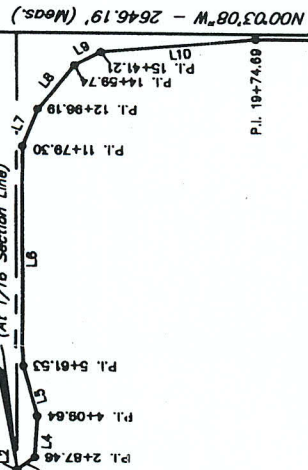
Sec. 36

State of
Utah

BEGINNING OF PROPOSED
ROAD RIGHT-OF-WAY
STA. 0+00
(At Existing Road)

BEGINNING OF PROPOSED
ROAD RIGHT-OF-WAY
ON FEE LANDS
STA. 2+25.56
(At 1/16 Section Line)

SE 1/4



Vaughn E. and
Mary Ann
Parrish

5 1/4 Cor. Sec. 36
2.5" Brass Cap
1.0 High

T6S

T7S

Section Line

S89°58'17"E - 2640.43' (Meas.)

NE 1/4
Robert W.
Conrad

ROAD RIGHT-OF-WAY DESCRIPTION ON
VAUGHN E. AND MARY ANN PARRISH LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING
DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE NORTH LINE OF THE SE 1/4 SE 1/4 OF
SECTION 36, T6S, R19E, S.L.B.&M. WHICH BEARS N43°31'10"W 1824.17' FROM
THE SOUTHEAST CORNER OF SAID SECTION 36, THENCE S37°30'51"E 61.80';
THENCE S87°13'15"E 122.17'; THENCE N75°47'18"E 151.80'; THENCE
N89°46'34"E 617.77'; THENCE S51°37'22"E 163.58'; THENCE S05°14'55"E
S32°22'31"E 4.23' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 SE 1/4
OF SAID SECTION 36 WHICH BEARS S89°58'17"W 36.50' FROM THE
SOUTHEAST CORNER OF SAID SECTION 36, ALSO BEGINNING AT A POINT ON
THE WEST LINE OF LOT 4 OF SECTION 6, T7S, R20E, S.L.B.&M. WHICH BEARS
S00°37'46"E 52.03' FROM THE NORTHWEST CORNER OF SAID SECTION 6,
THENCE S86°18'40"E 41.32'; THENCE N70°50'13"E 172.18'; THENCE
S89°01'30"E 1128.01'; THENCE S84°24'36"E 196.17'; THENCE S84°25'42"E
288.23'; THENCE S68°48'10"E 214.85' TO A POINT IN LOT 3 OF SAID
SECTION 6 WHICH BEARS S76°30'13"W 498.87' FROM THE NORTH 1/4
CORNER OF SAID SECTION 6. THE SIDE LINES OF SAID DESCRIBED
RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S
PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS
3.068 ACRES MORE OR LESS.

Sec. 1

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN LOT 3 OF SECTION 6, T7S, R20E,
S.L.B.&M. WHICH BEARS S76°30'13"W 498.87'
FROM THE NORTH 1/4 CORNER OF SAID SECTION 6, THENCE
N00°58'21"E 114.41'; THENCE S89°01'38"E 480.00'; THENCE
S00°58'21"W 360.00'; THENCE N88°01'39"W 480.00'; THENCE
N00°58'21"E 245.59' TO THE POINT OF BEGINNING. BASIS OF
BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 3.967 ACRES
MORE OR LESS.

ROAD RIGHT-OF-WAY DESCRIPTION ON
ROBERT W. CONRAD LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING
DESCRIBED CENTERLINE

BEGINNING AT A POINT ON THE NORTH LINE OF THE NE 1/4 NE
1/4 OF SECTION 1, T7S, R19E, S.L.B.&M. WHICH BEARS
S89°58'17"W 36.50' FROM THE NORTHEAST CORNER OF SAID
SECTION 1, THENCE S32°22'31"E 58.05'; THENCE S86°19'40"E 8.49'
TO A POINT ON THE EAST LINE OF THE NE 1/4 NE 1/4 OF SAID
SECTION 1 WHICH BEARS S00°37'46"E 52.03' FROM THE
NORTHEAST CORNER OF SAID SECTION 1. THE SIDE LINES OF SAID
DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO
MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A
G.P.S. OBSERVATION. CONTAINS 0.044 ACRES MORE OR LESS.

BEGINNING OF ROAD ON FEE LANDS STA. 2+25.56 BEARS N43°31'10"W
1824.17' FROM THE SOUTHEAST CORNER OF SECTION 36, T6S, R19E,
S.L.B.&M.

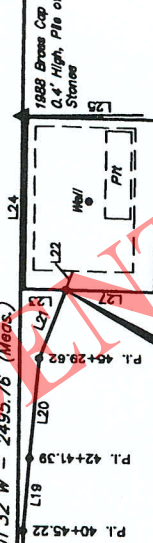
P.O.S.L. 26+38.18 BEARS S89°58'17"W 36.50' FROM THE SOUTHEAST
CORNER OF SECTION 36, T6S, R19E, S.L.B.&M.

P.O.S.L. 27+02.71 BEARS S00°37'46"E 52.03' FROM THE NORTHEAST
CORNER OF SECTION 1, T7S, R19E, S.L.B.&M.

END OF ROAD STA. 47+44.57 BEARS S76°30'13"W 498.87' FROM THE
NORTH 1/4 CORNER OF SECTION 6, T7S, R20E, S.L.B.&M.

Section Line

N89°01'32"W - 2495.76' (Meas.)



END OF PROPOSED ROAD
RIGHT-OF-WAY
STA. 47+44.57
(At Edge of Surface Use Area)

Contains 3.967 Acres

Vaughn E. and
Mary Ann
Parrish

Vaughn E. and
Mary Ann
Parrish

1/16 Section Line

NW 1/4

▲ = SECTION CORNERS LOCATED.

LOT 5

W 1/4 Cor. Sec. 6
2.09" Alum Cap
Flush W/Ground
3/4" Rebar

Sec. 6

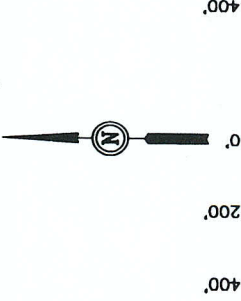
BILL BARRETT CORPORATION

LOCATION SURFACE USE AREA
& ROAD RIGHT-OF-WAY ON
FEE LANDS

(For AURORA FEDERAL
#3-6D-7-20)

LOCATED IN

SECTION 1, T7S, R19E, S.L.B.&M.,
SECTION 6, T7S, R20E, S.L.B.&M. &
SECTION 36, T6S, R19E, S.L.B.&M.
UNITAH COUNTY, UTAH



SCALE

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
VAUGHN E. AND MARY ANN PARRISH	4454.48	3.068	289.97
ROBERT W. CONRAD	84.53	0.044	3.91

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME AND UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE
TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REV: 08-28-12

UNTAAH ENGINEERING & LAND SURVEYING
86 SOUTH - 200 EAST • (435) 788-1017
VERNAL, UTAH - 84078

SCALE 1" = 400'

DATE 06-14-12

PARTY C.R. T.B. K.O.

REFERENCES G.L.O. PLAT

FILE 5 2 2 0 7

WEATHER HOT

PIPELINE RIGHT-OF-WAY AGREEMENT

STATE OF UTAH }
COUNTY OF UINTAH } SS

THAT, effective on this 25th day of February, 2013, for and in consideration of Ten & 00/100ths Dollars (\$10.00) and other good and valuable consideration, in hand paid to

Vaughn E. Parrish and Mary Ann Parrish whose address is HC 69 Box 305 Randlett, Utah 84063-9712

(“GRANTOR’S”), the receipt and sufficiency of which is hereby acknowledge, does hereby grant to Aurora Gathering, LLC of 1099 18th Street, #2300, Denver, CO 80202 (“GRANTEE”), its successors or assigns, a right-of-way to construct, maintain and use pipelines along with the right to alter, inspect, repair, replace, change the size of, operate, and remove pipelines and from time to time add additional pipelines or multiple pipelines, drips, valves, cathodic equipment, and all appurtenances convenient for the maintenance and operation of said lines and for the transportation of oil, gas, produced water, or other substances therein, under, on, over and through the premises hereinafter described, and the Grantee is granted the right of ingress and egress, over and across said lands for any purpose necessary or incidental to the operating and maintaining said pipeline or pipelines owned by Grantee.

The said right-of-way shall be located over and across the following described lands owned by the Grantors in Uintah County, State of Utah, to-wit:

Township 7 South, Range 20 East, SLM
Section 6: A tract of land lying in the N2NW/4
Township 6 South, Range 19 East, SLM
Section 36: A tract of land lying in the SE/4SE/4

As further described on Exhibit “A” attached hereto and made a part hereof.

To have and to hold said easements, rights, and right-of-way unto the said Grantee, its successors and assigns.

The foregoing sets out the entire agreement between Grantors and Grantee, and supersedes any prior oral or written agreements or negotiations not set out in writing herein or in the oil and gas lease covering the above described lands. No provisions of this agreement shall be modified, altered or waived except by written amendment executed by the parties or their representatives as set forth below. This agreement shall not act to modify or diminish operator’s rights and privileges under any oil and gas leases owned by Operator covering all or any portion of the above described lands.

For the same consideration, the undersigned agree to account to any party who may be entitled to any portion of the aforementioned sum, and to indemnify and hold harmless Aurora Gathering, LLC, its successors and assigns, from any claim by any other party for damages to the above described lands and the improvements and crops and other things situated thereon.

Grantors shall be held harmless from any claim or demand made on the grounds of damage to property or injury to or death of persons, arising out of Grantee’s exercise of the rights herein granted.

This agreement shall terminate within six (6) months after cessation of use by Grantee. Following completion of the road and installation of power line and pipelines, Grantee agrees to restore the surface of said land as nearly as is reasonably practical to its original condition.

This agreement shall be binding upon the successors and assigns of the parties hereto and shall be deemed to be a covenant running with the lands described above. However, any successor to Grantee’s interest is obligated to notify surface owner of new ownership and provide to the surface owner viable contact information.

ADDITIONAL PROVISIONS:

Grantors to oversee the seeding of the area using Calibrated Rangeland Drill to ensure correct seeding rate using BLM recommended seed mix.

IN WITNESS WHEREOF, the GRANTORS and GRANTEE herein named have hereunto set their hand and seal this 25th day of February, 2013.

GRANTORS:

Vaughn E. Parrish

Mary Ann Parrish

GRANTEE:

Aurora Gathering, LLC.

Huntington T. Walker, Senior Vice President Land

ACKNOWLEDGEMENT

State of Utah }
County of Uintah } :SS

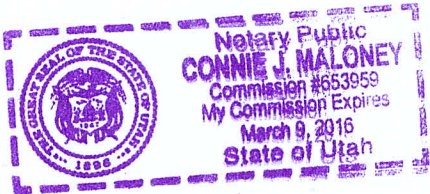
BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 25th day of February, 2013, personally appeared Vaughn E. Parrish and Mary Ann Parrish, to me known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

My Commission Expires: 3-9-16

Connie Maloney
Notary Public

Residing At: Vernal, Utah



ACKNOWLEDGEMENT

STATE OF _____)
COUNTY OF _____) SS

On the ____ day of _____, 2013, before me the undersigned authority, appeared Huntington T. Walker, to me personally known, who, being sworn, did say that he is the Senior Vice President Land for Aurora Gathering, LLC, and that the foregoing instrument was signed in behalf of said Corporation and Appeared acknowledged to me that said instrument to be the free act and deed of the Corporation.

Notary Public for the State of _____

Residing at _____

SURFACE USE AGREEMENT
(Aurora 3-6D-7-20)

THIS AGREEMENT Dated February 25, 2013 by and between _____

Vaughn E. and Mary Ann Parrish

whose address is HC 69 Box 305, UT 84063 (435-823-6884) , hereinafter referred to as "Surface Owner", and

Bill Barrett Corporation and its Subsidiaries , whose address is 1099 18th Street, #2300, Denver, CO 80202 hereinafter referred to as "Operator".

WITNESSETH:

WHEREAS, Surface Owners represent that they are the owners in fee and in possession of the surface estate for the following described lands in Uintah County, Utah , hereinafter referred to as "Lands", to wit:

A Tract of land lying in the **N/2NW/4, Section 6, Township 7 South, Range 20 East, SLM and SE/4SE/4, Section 36, Township 6 South, Range 19 East, SLM** as further described on Exhibit "A" attached hereto and made a part hereof.

WHEREAS, Operator has or will acquire certain leasehold interests in the oil and gas mineral estate in the Lands and proposes to conduct drilling and subsequent production operations on the Lands; and

WHEREAS, Surface Owners are generally aware of the nature of the operations which may be conducted under oil and gas leases covering the mineral estate of the Lands; and

WHEREAS, the parties believe that it is in their mutual best interest to agree to the amount of damages to be assessed incident to the operations of Operator on the premises in the exploration for, development and production of oil, gas and/or other leasehold substances under the terms of those certain oil and gas leases now owned or which may be acquired by Operator covering portions of the mineral estate of the Lands; and,

WHEREAS, the parties believe that a reasonable estimate can be made of the damages which will result from the exploration, development and production operations contemplated by such oil and gas leases.

NOW, THEREFORE, in consideration of ten dollars and other valuable consideration, the sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Operator has the right of ingress and egress and to the use of those portions of the Lands which it requires for oil and gas exploration, development and production operations, including tank batteries and other production facilities and the transportation of produced substances from the leasehold, and also the right to construct and use roads across portions of the Lands. Operator shall pay Surface Owner as liquidated damages the following sum as full settlement and satisfaction of all damages growing out of, incident to, or in connection with the usual and customary exploration, drilling, completion, sidetracking, reworking, equipping and production operations, contemplated by the oil and gas leases covering the Lands, unless otherwise specifically provided herein:

2. Operator shall be responsible for back filling, re-packing, re-seeding, and re-contouring so as not to interfere with Owner's operations. Operator shall complete re-seeding according to BLM specifications.

3. Operator agrees to consult with the surface owners and/or tenant(s) as to all routes of ingress and egress. Prior to the construction of any roads, pipelines, tank battery installations, or installation of any other equipment on the leased premises, Operator shall consult with the surface owners and/or tenant(s) as to the location and direction of same.

4. It is the intention of the parties hereto to cause as little interference with farming operations on the leased premises as reasonably possible, including but specifically not limited to the operation of any pivotal irrigation sprinkler system, or any other irrigation method. If any circular irrigation sprinkler system is in use at the time of initial drilling operations on the leased premises, then any subsequent production equipment, including but specifically not limited to pump jacks, hydraulic lifting equipment, or any other equipment necessary to produce any oil or gas from such well, shall be recessed to such depths, or ramps constructed, so as to allow the continued use of such circular irrigation system.

5. In the event any well hereunder is plugged and abandoned, Operator agrees that Operator will, within a reasonable time, restore Surface Owners surface estate as near as practical to its original condition found prior to Operator's operations. It is understood and agreed that Surface Owners may elect in writing, prior to cessation of operations of Operator, to have any road constructed under the terms of this Agreement remain upon the property, in which event Operator agrees to leave such road or roads in reasonable condition.

6. Operator is responsible for acquiring all necessary permits, licenses, fees, etc. incident to its operations on the Lands.

7. In the event Surface Owners consider that Operator has not complied with all its obligations hereunder, both

express and implied, Surface Owners shall notify Operator in writing, setting out specifically in what respects Operator has breached this contract. Operator shall then have sixty (60) days to meet or commence to meet all or any part of the breaches alleged by Surface Owners. The service of said notice shall be precedent to the bringing of any action by Surface Owners for any cause, and no such action shall be brought until the lapse of sixty (60) days after service of such notice on Operator. In the event of litigation, the prevailing party's reasonable attorney's fees will be paid by the opposing party.

8. Operator shall be responsible and shall remain liable for any environmental problems on the subject lands which are caused by or through its operations. To the extent that any such claims are asserted, Operator will be responsible for any remediation required as provided by state regulations. This assumption of liability, however, does not include any third-party operations on the subject lands or any Surface Owners actions which could cause environmental problems but is limited solely to the actions of Operator. Operator hereby indemnifies and holds harmless Surface Owners from any and all environmental problems it causes on the Lands.

9. In the event Surface Owners own less than the entire fee interest in the Lands, then any payment stated herein shall be proportionately reduced to the interest owned.

10. This Agreement shall remain in full force and effect from the date hereof and for so long thereafter as Operator's oil and gas operations affecting the Lands are in effect.

11. When the word "Operator" is used in this Agreement, it shall also mean the successors and assigns of Operator, including but not limited to its employees and officers, agents, affiliates, contractors, subcontractors and/or purchasers.

12. This Agreement shall be binding upon and inure to the benefit of the heirs, successors and assigns of the parties.

ADDITIONAL PROVISIONS:

13. Surface Owners to oversee the seeding of the area using Calibrated Rangeland Drill to ensure correct seeding rate using BLM recommended seed mix.

14. Operator shall install a five (5) strand barbed wire fence around the perimeter of the wellsite along with a cattle guard at the access to the location.

15. Operator shall install a cattle guard and a through gate, where the access road enters the NW corner of the NW/4, Section 6, T7S, R20E.

16. Operator shall install a cattle guard with a gate across said cattle guard at the beginning of the access road in the SW/4 of the SE/4 of Section 36, T6S, R19E.

17. Operator shall water the access road during drilling phase and when construction or maintenance requires an increase in the standard volume of traffic.

18. Operator shall use road base or gravel cap on access road to minimize dust pots.

19. Operator agrees to pay a one-time, non-refundable payment of \$1,500.00 towards possible increase in property taxes prior to commencing any construction activities on the Lands.

20. Upon Surface Owner's execution of this Agreement, Operator shall pay Surface Owners a non-refundable **One Thousand Dollar (\$1,000.00)** advance toward the **Fifty Three Thousand Five Hundred Dollar (\$53,500.00)** payment for damages for the wellsite and access provided in 1.a. above. Operator shall pay Surface Owners the balance owed for damages for the wellsite and access of **Fifty Two Thousand Five Hundred Dollars (\$52,500.00)** prior to commencing any construction activities on the Lands.

SURFACE OWNERS:

By: Vaughn E. Parrish

By: Mary Ann Parrish

SS/Tax ID# :

STATE of Utah

ACKNOWLEDGEMENT

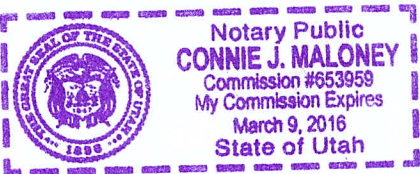
COUNTY of Uintah

BEFORE ME, the undersigned, a Notary Public, in and for said County and State, on this 25th day of February 2013 personally appeared Vaughn E. and Mary Ann Parrish

, to me known to be the Identical person(s) , described in and who executed the within and foregoing instrument of writing and acknowledged to me that they duly executed same as their free and voluntary act and deed for the uses and purposes therein set forth and in the capacity stated therein.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

My Commission Expires: 3-9-16



Notary Public:

Connie J. Maloney

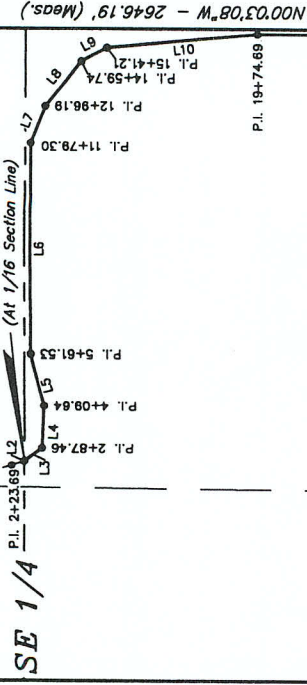
Sec. 36

State of Utah

BEGINNING OF PROPOSED ROAD RIGHT-OF-WAY STA. 0+00 (At Existing Road)

SE 1/4

BEGINNING OF PROPOSED ROAD RIGHT-OF-WAY ON FEE LANDS STA. 2+25.56 (At 1/16 Section Line)



Vaughn E. and Mary Ann Parrish

S 1/4 Cor. Sec. 36 2.5" Alum. Cap 1.0 High T6S

Section Line 589°58'17"E - 2640.43' (Meas.)

Robert W. Conrad NE 1/4

ROAD RIGHT-OF-WAY DESCRIPTION ON VAUGHN E. AND MARY ANN PARRISH LANDS A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE NORTH LINE OF THE SE 1/4 SE 1/4 OF SECTION 36, T6S, R19E, S.L.B.&M. WHICH BEARS N43°31'10"W 1824.17' FROM THE SOUTHEAST CORNER OF SAID SECTION 36, THENCE S37°30'51"E 61.90'; THENCE S87°13'15"E 122.17'; THENCE N75°47'18"E 151.90'; THENCE N89°46'34"E 617.77'; THENCE S51°37'22"E 163.55'; THENCE S051°4'55"E 433.48'; THENCE S00°03'12"E 458.25'; THENCE S08°43'58"W 201.01'; THENCE S32°22'31"E 4.23' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 SE 1/4 OF SAID SECTION 36 WHICH BEARS S89°58'17"W 36.50' FROM THE SOUTHEAST CORNER OF SAID SECTION 36, ALSO BEGINNING AT A POINT ON THE WEST LINE OF LOT 4 OF SECTION 6, T7S, R20E, S.L.B.&M. WHICH BEARS S00°37'48"E 52.03' FROM THE NORTHWEST CORNER OF SAID SECTION 6, THENCE S58°19'40"E 41.32'; THENCE N70°50'13"E 172.18'; THENCE S89°01'30"E 1129.01'; THENCE S84°24'36"E 196.17'; THENCE S84°25'42"E 288.23'; THENCE S69°49'10"E 214.95' TO A POINT IN LOT 3 OF SAID SECTION 6 WHICH BEARS S76°50'13"W 498.87' FROM THE NORTH 1/4 CORNER OF SAID SECTION 6. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 3.068 ACRES MORE OR LESS.

Sec. 1

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN LOT 3 OF SECTION 6, T7S, R20E, S.L.B.&M. WHICH BEARS S76°30'13"W 498.87' FROM THE NORTH 1/4 CORNER OF SAID SECTION 6, THENCE N00°58'21"E 114.41'; THENCE S89°01'39"E 480.00'; THENCE S00°58'21"W 360.00'; THENCE N89°01'39"W 480.00'; THENCE N00°58'21"E 245.59' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 3.967 ACRES MORE OR LESS.

ROAD RIGHT-OF-WAY DESCRIPTION ON ROBERT W. CONRAD LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE NORTH LINE OF THE NE 1/4 NE 1/4 OF SECTION 1, T7S, R19E, S.L.B.&M. WHICH BEARS S89°58'17"W 36.50' FROM THE NORTHEAST CORNER OF SAID SECTION 1, THENCE S32°22'31"E 56.05'; THENCE S56°19'40"E 8.49' TO A POINT ON THE EAST LINE OF THE NE 1/4 NE 1/4 OF SAID SECTION 1 WHICH BEARS S00°37'48"E 52.03' FROM THE NORTHEAST CORNER OF SAID SECTION 1. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.044 ACRES MORE OR LESS.

BEGINNING OF ROAD ON FEE LANDS STA. 2+25.56 BEARS N43°31'10"W 1824.17' FROM THE SOUTHEAST CORNER OF SECTION 36, T6S, R19E, S.L.B.&M.

P.O.S.L. 26+38.18 BEARS S89°58'17"W 36.50' FROM THE SOUTHEAST CORNER OF SECTION 36, T6S, R19E, S.L.B.&M.

P.O.S.L. 27+02.71 BEARS S00°37'46"E 52.03' FROM THE NORTHEAST CORNER OF SECTION 1, T7S, R19E, S.L.B.&M.

END OF ROAD STA. 47+44.57 BEARS S76°30'13"W 498.87' FROM THE NORTH 1/4 CORNER OF SECTION 6, T7S, R20E, S.L.B.&M.

SCALE BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

SCALE



RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
VAUGHN E. AND MARY ANN PARRISH	4454.48	3.068	269.97
ROBERT W. CONRAD	64.53	0.044	3.91

END OF PROPOSED ROAD RIGHT-OF-WAY STA. 47+44.57 (At Edge of Surface Use Area)

SURFACE USE AREA AURORA FEDERAL #3-6D-7-20 Contains 3.967 Acres

Vaughn E. and Mary Ann Parrish

Vaughn E. and Mary Ann Parrish

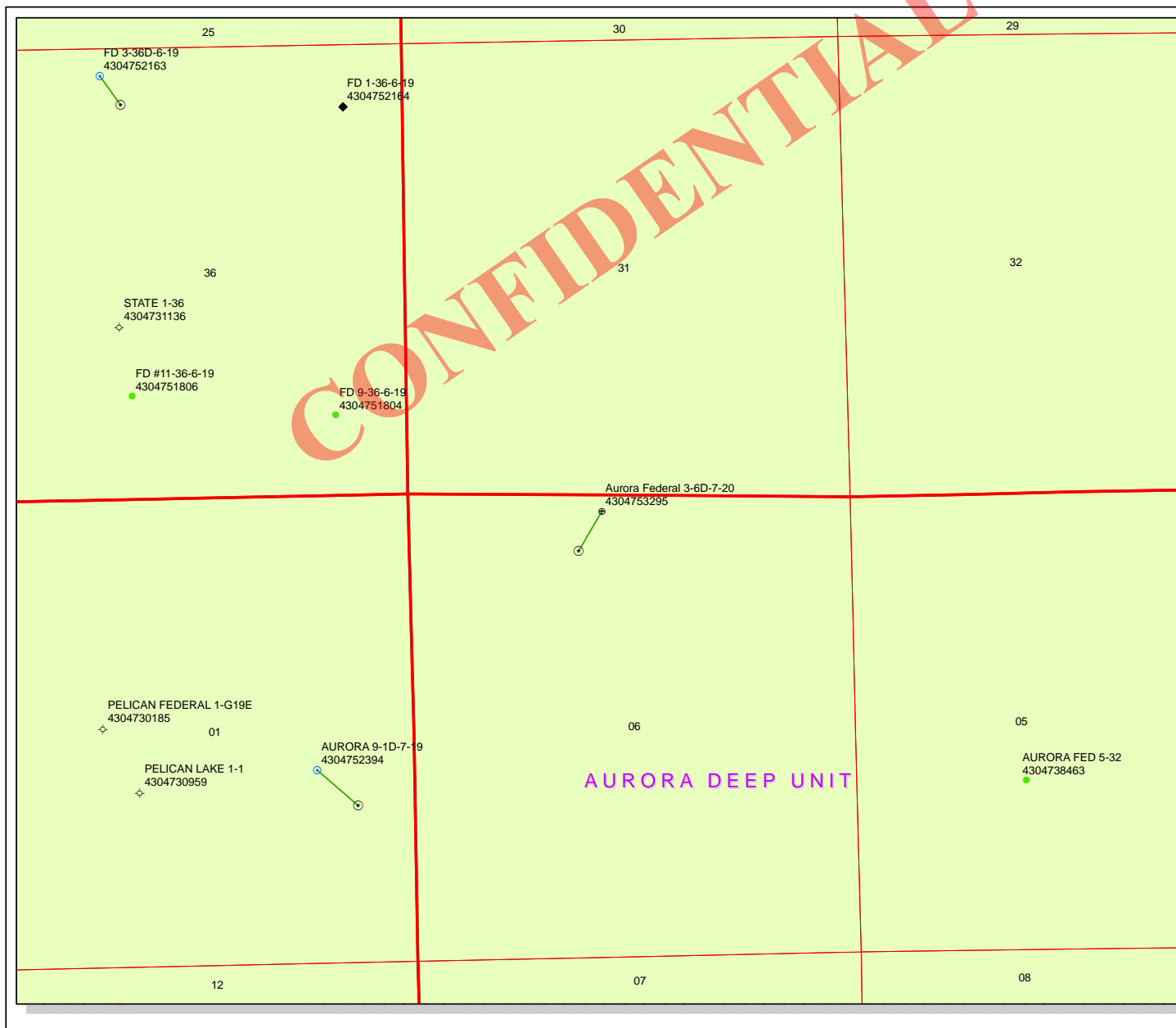


REV: 08-28-12

UTAH ENGINEERING & LAND SURVEYING 86 SOUTH - 200 EAST • (435) 789-1017 VERNAL, UTAH - 84078

SCALE	DATE
1" = 400'	06-14-12
PARTY	REFERENCES
C.R. T.B. K.O.	G.L.O. PLAT
WEATHER	FILE
HOT	5 2 2 0 7

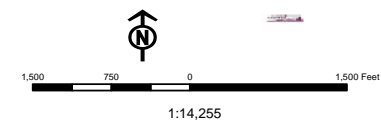
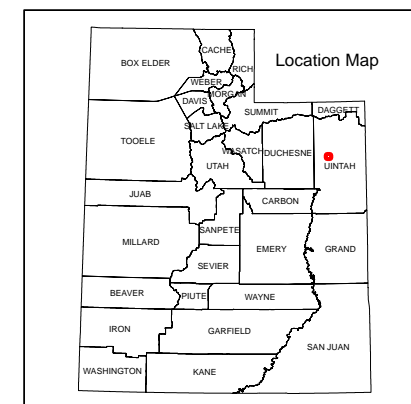
Sec. 6



API Number: 4304753295
Well Name: Aurora Federal 3-6D-7-20
Township T07.0S Range R20.0E Section 06
Meridian: SLBM
Operator: BILL BARRETT CORP

Map Prepared:
Map Produced by Diana Mason

Units	Wells Query
STATUS	Status
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LOC - New Location
PI OIL	OPS - Operation Suspended
PP GAS	PA - Plugged Abandoned
PP GEOTHERM	PGW - Producing Gas Well
PP OIL	POW - Producing Oil Well
SECONDARY	SGW - Shut-in Gas Well
TERMINATED	SOW - Shut-in Oil Well
Fields	TA - Temp. Abandoned
Unknown	TW - Test Well
ABANDONED	WDW - Water Disposal
ACTIVE	WW - Water Injection Well
COMBINED	WSW - Water Supply Well
INACTIVE	Bottom Hole Location - Oil/Gas/Dib
STORAGE	
TERMINATED	



ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP
Well Name Aurora Federal 3-6D-7-20
API Number 43047532950000 **APD No** 7070 **Field/Unit** WILDCAT
Location: 1/4,1/4 NENW **Sec** 6 **Tw** 7.0S **Rng** 20.0E 185 FNL 2262 FWL
GPS Coord (UTM) 609400 4455938 **Surface Owner** Vaughn Parrish

Participants

Stephanie O'Brien (archeologist), Jim Burns (permit contractor), Zack Garner (BBC), Cody Rich (surveyor), James Hereford (BLM), Joe Via (t & e species), Stuart Hall (wetlands)

Regional/Local Setting & Topography

This proposed location sits on the edge of a band of foothills 1.5 miles west of Highway 88 and 1.5 miles north of 5500 S (5500 S is the road between Pelican lake and Randlett, UT. To the west and south of the location lies irrigated cropland and pasture land. The area around the location is composed of broken hills and dry washes which continue to the north east and west.

Surface Use Plan

Current Surface Use

Grazing

New Road Miles

0.9

Well Pad

Width 275 **Length** 400

Src Const Material

Offsite

Surface Formation

UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Sage, greasewood, rabbit brush, sparse grasses, prickly pear cactus

Soil Type and Characteristics

Sandy loam

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? Y

Small diversion needed around north side of location

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? N Paleo Potential Observed? N Cultural Survey Run? Y Cultural Resources? N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)

Distance to Surface Water (feet)

Dist. Nearest Municipal Well (ft)

Distance to Other Wells (feet)

Native Soil Type

Fluid Type

Drill Cuttings

Annual Precipitation (inches)

Affected Populations

Presence Nearby Utility Conduits

Final Score

Sensitivity Level

Characteristics / Requirements

The reserve pit is proposed in a cut stable location. Dimensions are 235 x 70 x 10ft. Bill Barrett representative Kary Eldredge stated that a 20 mil reserve pit liner and felt subliner is used on all BBC locations as standard equipment. This liner program appears adequate for this location.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

Other Observations / Comments

**Richard Powell
Evaluator**

**11/15/2012
Date / Time**

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7070	43047532950000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD	Vaughn Parrish	
Well Name	Aurora Federal 3-6D-7-20		Unit		
Field	WILDCAT		Type of Work	DRILL	
Location	NENW 6 7S 20E S 185 FNL 2262 FWL GPS Coord (UTM) 609396E 4455946N				

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Federal Government. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill
APD Evaluator

11/27/2012
Date / Time

Surface Statement of Basis

This well is on fee surface with federal mineral ownership. The surface owner Vaughn Parrish was present for the onsite. According to Mr. Parrish the well site was moved at his request and is in the best possible location for this well but Mr. Parrish is still very unhappy that the well will be drilled at all because Mr. Parrish plans to build a house to the south of the site. As located, the well is as far north and away from Mr. Parrish's proposed home as it can go and stay in the same section and qtr/qtr. This location slopes north toward a drainage and a diversion will be needed around the north west corner. Mr. Parrish was presented equipment and tank paint color options by BLM representative James Hereford and chose covert green. Mr. Parrish was very concerned about vehicle traffic to the site. According to Zack Garner the produced water from this site will be piped thus reducing that amount of truck traffic.

Richard Powell
Onsite Evaluator

11/15/2012
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/1/2012

API NO. ASSIGNED: 43047532950000

WELL NAME: Aurora Federal 3-6D-7-20

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: NENW 06 070S 200E

Permit Tech Review: ☒

SURFACE: 0185 FNL 2262 FWL

Engineering Review: ☒

BOTTOM: 0660 FNL 1980 FWL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.24682

LONGITUDE: -109.71378

UTM SURF EASTINGS: 609396.00

NORTHINGS: 4455946.00

FIELD NAME: WILDCAT

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU75241

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: FEDERAL - WYB000040☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 43-2336☒ RDCC Review: 2013-04-04 00:00:00.0☒ Fee Surface Agreement☒ Intent to Commingle

Commingle Approved

LOCATION AND SITING:

☐ R649-2-3.

Unit:

☐ R649-3-2. General☒ R649-3-3. Exception☒ Drilling Unit

Board Cause No: R649-3-11

Effective Date:

Siting:

☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations:

1 - Exception Location - bhill
3 - Commingle - ddoucet
4 - Federal Approval - dmason
5 - Statement of Basis - bhill
15 - Directional - dmason
21 - RDCC - dmason
23 - Spacing - dmason

RECEIVED: April 09, 2013



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Aurora Federal 3-6D-7-20
API Well Number: 43047532950000
Lease Number: UTU75241
Surface Owner: FEE (PRIVATE)
Approval Date: 4/9/2013

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

Commingle:

Administrative approval for commingling the production from the Wasatch formation and the Green River formation in this well is hereby granted. Appropriate information has been submitted to DOGM in accordance with R649-3-22. No written objections from owners were received by DOGM.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall

submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU75241
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: Aurora Federal 3-6D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0185 FNL 2262 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 06 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047532950000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA


TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/25/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			
		<input checked="" type="checkbox"/> OTHER	OTHER: updated pad layout

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

 Attached is the updated plat package for this well. The SHL and BHL, as well as the facilities layout will stay the same, BBC just updated a corner of the pad due to a drainage re-route.

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: May 01, 2013

By: 

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 4/24/2013	

BILL BARRETT CORPORATION
AURORA FEDERAL #3-6D-7-20
LOCATED IN UTAH COUNTY, UTAH
SECTION 6, T7S, R20E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS

06
MONTH

12
DAY

12
YEAR

PHOTO

TAKEN BY: C.R.

DRAWN BY: J.L.H.

REV:08-29-12J.L.G.

BILL BARRETT CORPORATION

Well location, AURORA FEDERAL #3-6D-7-20, located as shown in LOT 3 of Section 6, T7S, R20E, S.L.B.&M., Uintah County, Utah.

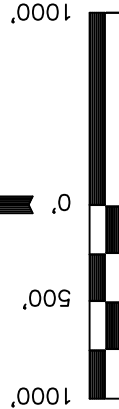
BASIS OF ELEVATION

BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S30°27'40"W	545.40'



SCALE

CERTIFICATE

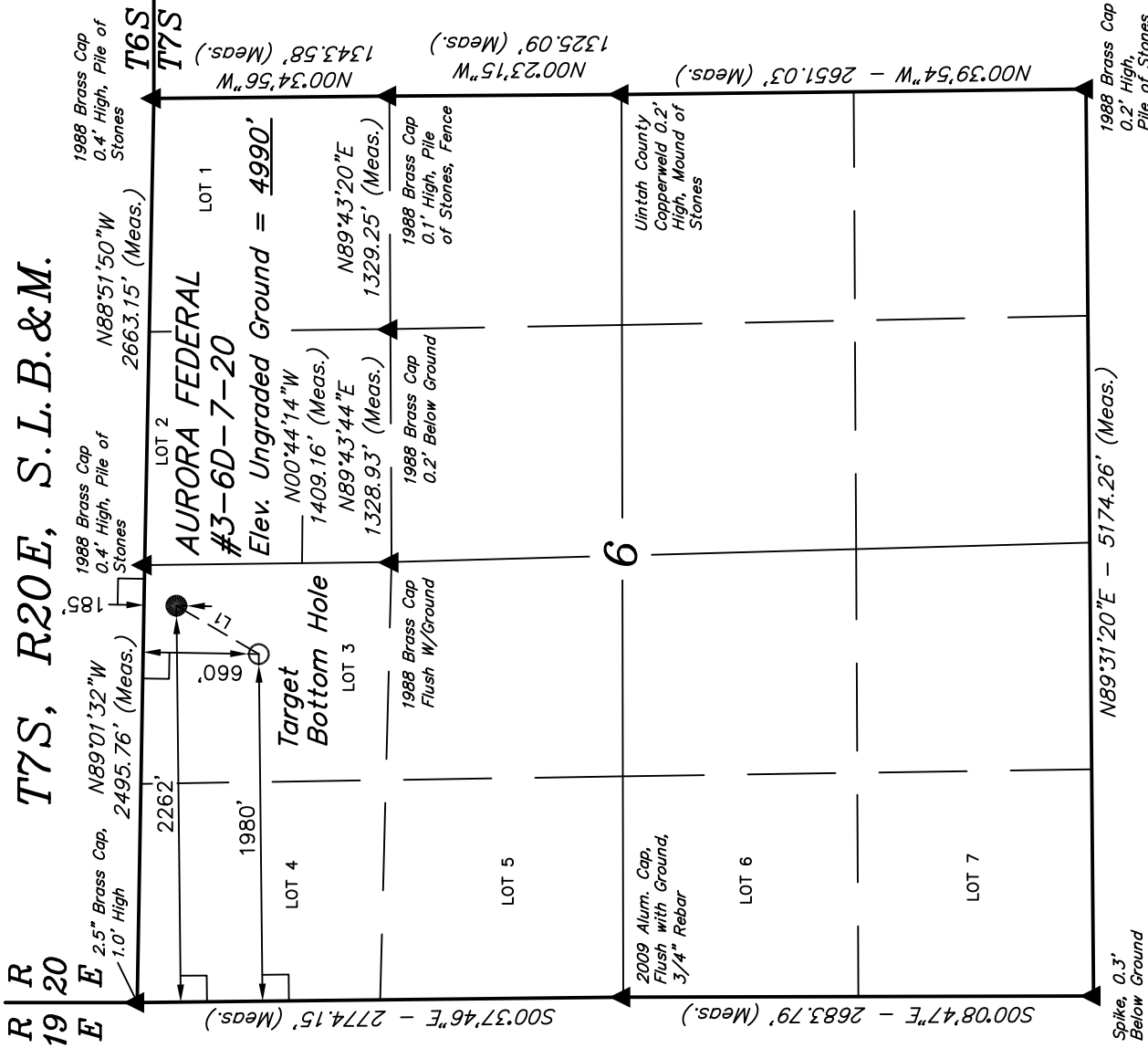
THIS IS TO CERTIFY THAT THE ABOVE POINT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY CLOSE SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT L. KAY
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH
09-05-12

REV: 08-28-12

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 06-01-12	DATE DRAWN: 06-13-12
PARTY C.R. T.B. K.O.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE	
		BILL BARRETT CORPORATION



LEGEND:

- 90° SYMBOL
- PROPOSED WELL HEAD.
- SECTION CORNERS LOCATED.

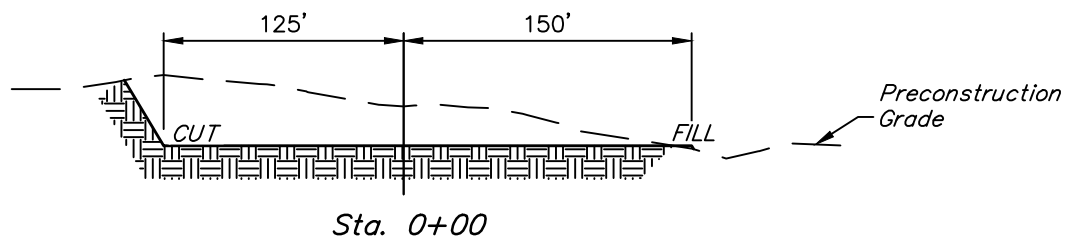
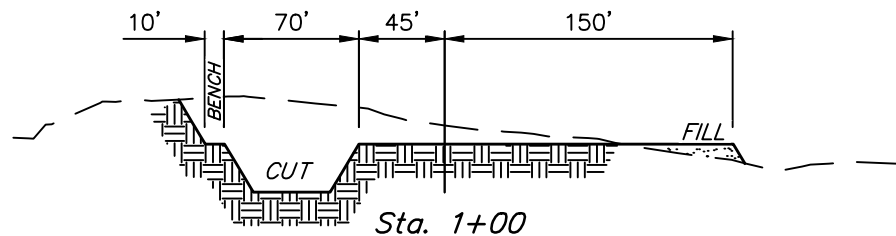
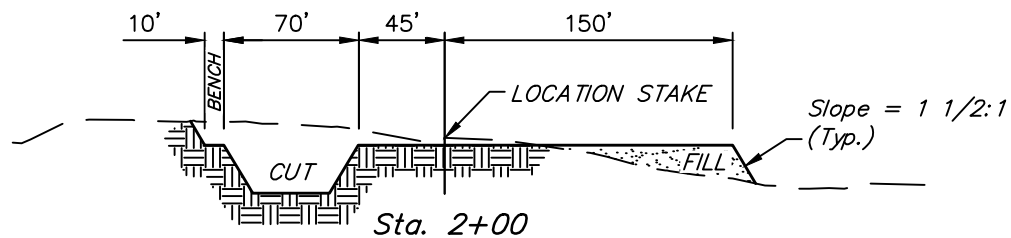
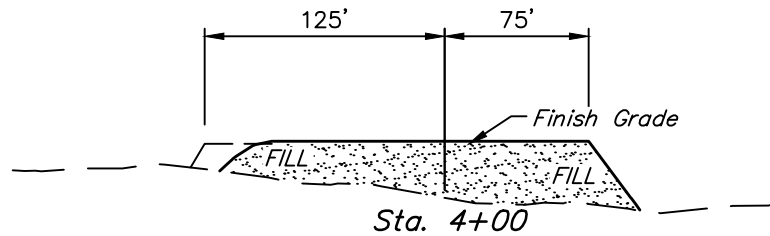
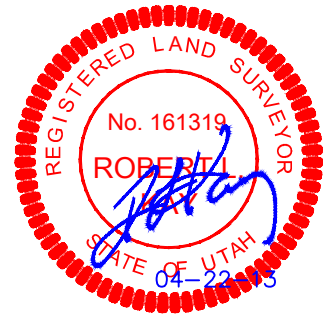
BILL BARRETT CORPORATION**TYPICAL CROSS SECTIONS FOR**

AURORA FEDERAL #3-6D-7-20
SECTION 6, T7S, R20E, S.L.B.&M.
185' FNL 2262' FWL

FIGURE #2

1" = 40'
 X-Section
 Scale
 1" = 100'

DATE: 06-14-12
 DRAWN BY: K.O.
 REV: 08-28-12
 REV: 04-16-13

**NOTE:**

Topsoil should not be
 Stripped Below Finished
 Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.967 ACRES
 ACCESS ROAD DISTURBANCE = ± 3.268 ACRES
 PIPELINE DISTURBANCE = ± 3.281 ACRES
 TOTAL = ± 10.516 ACRES

*** NOTE:**

FILL QUANTITY INCLUDES
 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,270 Cu. Yds.
 Remaining Location = 14,700 Cu. Yds.
TOTAL CUT = 16,970 CU. YDS.
FILL = 12,440 CU. YDS.

EXCESS MATERIAL = 4,530 Cu. Yds.
 Topsoil & Pit Backfill = 4,530 Cu. Yds.
 (1/2 Pit Vol.)
 EXCESS UNBALANCE = 0 Cu. Yds.
 (After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
 85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: Apr. 24, 2013

BILL BARRETT CORPORATION

TYPICAL RIG LAYOUT FOR

AURORA FEDERAL #3-6D-7-20
SECTION 6, T7S, R20E, S.L.B.&M.
185' FNL 2262' FWL

FIGURE #3

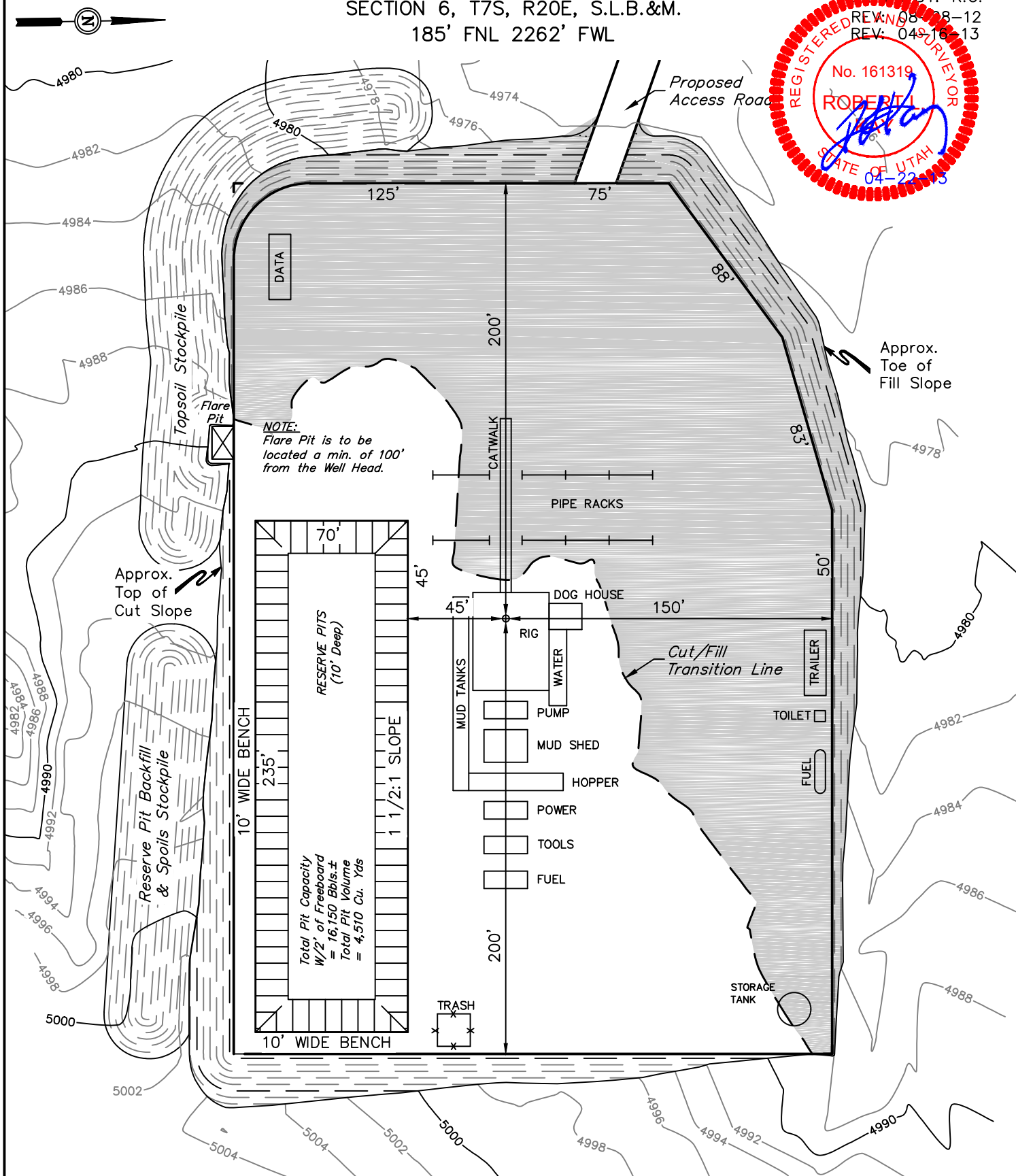
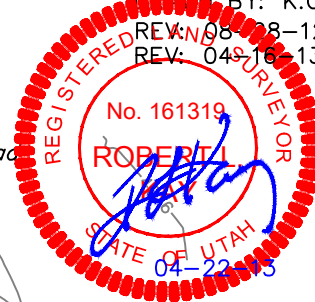
SCALE: 1" = 60'

DATE: 06-14-12

DRAWN BY: K.O.

REV: 08-28-12

REV: 04-16-13



UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: Apr. 24, 2013

Sec. 36

State of
Utah

E 1/4 Cor. Sec. 36
2.5" Alum. Cap
2.0 High

BEGINNING OF PROPOSED
ROAD RIGHT-OF-WAY
ON STATE OF UTAH LANDS
STA. 0+00
(At Existing Road)

R
19
E

R
20
E

Existing Road

See Detail "A"
@ Below Right

SE 1/4

P.I. 4+09.64
P.I. 5+61.53
P.I. 11+79.30
P.I. 12+96.19
P.I. 14+59.74
P.I. 15+41.21
P.I. 19+74.69
P.I. 24+32.94
P.I. 26+33.95
P.I. 26+94.23
P.I. 27+02.71
P.I. 27+44.04
P.I. 29+16.22
P.I. 40+45.22
P.I. 42+41.39
P.I. 45+29.62
P.I. 2+87.46
P.I. 2+23.69

Vaughn E. and
Mary Ann
Parrish

S 1/4 Cor. Sec. 36
2.5" Brass Cap
1.0 High

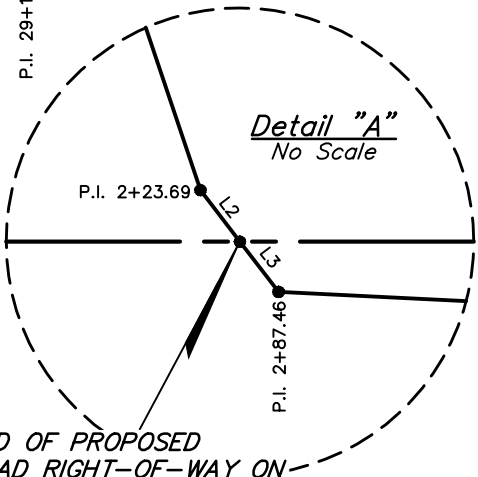
T6S
T7S

Section Line
S89°58'17"E - 2640.43' (Meas.)

Robert W.
Conrad

2.5" Brass Cap,
1.0 High

N89°01'32"W - 2495.76' (Meas.)



Sec. 36

State of
Utah

BEGINNING OF PROPOSED
ROAD RIGHT-OF-WAY
STA. 0+00
(At Existing Road)

E 1/4 Cor. Sec. 36
2.5" Alum. Cap
2.0 High

R
19
E

R
20
E

See Detail "A"
@ Below Right

SE 1/4

Vaughn E. and
Mary Ann
Parrish

S 1/4 Cor. Sec. 36
2.5" Brass Cap
1.0 High

T6S

NE 1/4

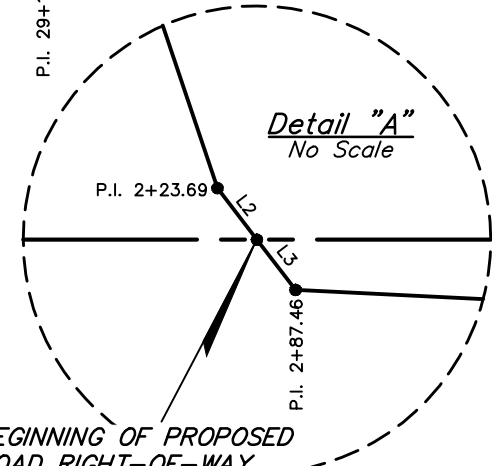
Robert W.
Conrad

ROAD RIGHT-OF-WAY DESCRIPTION ON
VAUGHN E. AND MARY ANN PARRISH LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING
DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE NORTH LINE OF THE SE 1/4 SE 1/4 OF
SECTION 36, T6S, R19E, S.L.B.&M. WHICH BEARS N43°31'10"W 1824.17' FROM
THE SOUTHEAST CORNER OF SAID SECTION 36, THENCE S37°30'51"E 61.90';
THENCE S87°13'15"E 122.17'; THENCE N75°47'18"E 151.90'; THENCE
N89°46'34"E 617.77'; THENCE S69°29'29"E 116.89'; THENCE S51°37'22"E
163.55'; THENCE S28°07'41"E 81.47'; THENCE S05°14'55"E 433.48'; THENCE
S00°03'12"E 458.25'; THENCE S06°43'58"W 201.01'; THENCE S32°22'31"E
4.23' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 SE 1/4 OF SAID
SECTION 36 WHICH BEARS S89°58'17"W 36.50' FROM THE SOUTHEAST
CORNER OF SAID SECTION 36. ALSO BEGINNING AT A POINT ON THE WEST
LINE OF LOT 4 OF SECTION 6, T7S, R20E, S.L.B.&M. WHICH BEARS
S00°37'46"E 52.03' FROM THE NORTHWEST CORNER OF SAID SECTION 6,
THENCE S56°19'40"E 41.32'; THENCE N70°50'13"E 172.18'; THENCE
S89°01'30"E 1129.01'; THENCE S84°24'36"E 196.17'; THENCE S84°25'42"E
288.23'; THENCE S69°49'10"E 214.95' TO A POINT IN LOT 3 OF SAID
SECTION 6 WHICH BEARS S76°30'13"W 498.87' FROM THE NORTH 1/4
CORNER OF SAID SECTION 6. THE SIDE LINES OF SAID DESCRIBED
RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S
PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS
3.068 ACRES MORE OR LESS.

LINE TABLE			LINE TABLE		
LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH
L1	S18°34'07"E	223.69'	L15	S56°19'40"E	8.49'
L2	S37°30'51"E	1.87'	L16	S56°19'40"E	41.32'
L3	S37°30'51"E	61.90'	L17	N70°50'13"E	172.18'
L4	S87°13'15"E	122.17'	L18	S89°01'30"E	1129.01'
L5	N75°47'18"E	151.90'	L19	S84°24'36"E	196.17'
L6	N89°46'34"E	617.77'	L20	S84°25'42"E	288.23'
L7	S69°29'29"E	116.89'	L21	S69°49'10"E	214.95'
L8	S51°37'22"E	163.55'	L22	S69°35'00"E	58.67'
L9	S28°07'41"E	81.47'	L23	N00°58'21"E	114.41'
L10	S05°14'55"E	433.48'	L24	S89°01'39"E	480.00'
L11	S00°03'12"E	458.25'	L25	S00°58'21"W	360.00'
L12	S06°43'58"W	201.01'	L26	N89°01'39"W	480.00'
L13	S32°22'31"E	4.23'	L27	N00°58'21"E	245.59'
L14	S32°22'31"E	56.05'			



BEGINNING OF PROPOSED
ROAD RIGHT-OF-WAY
ON FEE LANDS
STA. 2+25.56
(At 1/16 Section Line)

▲ = SECTION CORNERS LOCATED.

W 1/4 Cor. Sec. 6
2009 Alum Cap
Flush W/Ground
3/4" Rebar

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN LOT 3 OF SECTION 6, T7S, R20E,
S.L.B.&M. WHICH BEARS S76°30'13"W 498.87'
FROM THE NORTH 1/4 CORNER OF SAID SECTION 6, THENCE
N00°58'21"E 114.41'; THENCE S89°01'39"E 480.00'; THENCE
S00°58'21"W 360.00'; THENCE N89°01'39"W 480.00'; THENCE
N00°58'21"E 245.59' TO THE POINT OF BEGINNING. BASIS OF
BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 3.967 ACRES
MORE OR LESS.

ROAD RIGHT-OF-WAY DESCRIPTION ON
ROBERT W. CONRAD LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING
DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE NORTH LINE OF THE NE 1/4 NE
1/4 OF SECTION 1, T7S, R19E, S.L.B.&M. WHICH BEARS
S89°58'17"W 36.50' FROM THE NORTHEAST CORNER OF SAID
SECTION 1, THENCE S32°22'31"E 56.05'; THENCE S56°19'40"E 8.49'
TO A POINT ON THE EAST LINE OF THE NE 1/4 NE 1/4 OF SAID
SECTION 1 WHICH BEARS S00°37'46"E 52.03' FROM THE
NORTHEAST CORNER OF SAID SECTION 1. THE SIDE LINES OF SAID
DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO
MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A
G.P.S. OBSERVATION. CONTAINS 0.044 ACRES MORE OR LESS.

BEGINNING OF ROAD ON FEE LANDS STA. 2+25.56 BEARS N43°31'10"W
1824.17' FROM THE SOUTHEAST CORNER OF SECTION 36, T6S, R19E,
S.L.B.&M.

P.O.S.L. 26+38.18 BEARS S89°58'17"W 36.50' FROM THE SOUTHEAST
CORNER OF SECTION 36, T6S, R19E, S.L.B.&M.

P.O.S.L. 27+02.71 BEARS S00°37'46"E 52.03' FROM THE NORTHEAST
CORNER OF SECTION 1, T7S, R19E, S.L.B.&M.

END OF ROAD STA. 47+44.57 BEARS S76°30'13"W 498.87' FROM THE
NORTH 1/4 CORNER OF SECTION 6, T7S, R20E, S.L.B.&M.

N89°01'32"W - 2495.76' (Meas.)

END OF PROPOSED ROAD
RIGHT-OF-WAY
STA. 47+44.57
(At Edge of Surface Use Area)

SURFACE USE AREA
AURORA FEDERAL
#3-6D-7-20
Contains 3.967 Acres

Vaughn E. and
Mary Ann
Parrish

NW 1/4

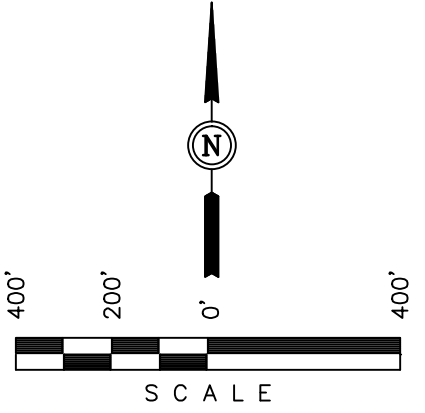
Sec. 6

BILL BARRETT CORPORATION

LOCATION SURFACE USE AREA
& ROAD RIGHT-OF-WAY ON
FEE LANDS

(For AURORA FEDERAL
#3-6D-7-20)

LOCATED IN
SECTION 1, T7S, R19E, S.L.B.&M.,
SECTION 6, T7S, R20E, S.L.B.&M. &
SECTION 36, T6S, R19E, S.L.B.&M.
UINTAH COUNTY, UTAH



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
VAUGHN E. AND MARY ANN PARRISH	4454.48	3.068	269.97
ROBERT W. CONRAD	64.53	0.044	3.91

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO
THE BEST OF MY KNOWLEDGE AND BELIEF.

REV: 04-16-13 K.O.
REV: 04-04-13 A.D.
REV: 08-28-12

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE 1" = 400'	DATE 06-14-12
PARTY C.R. T.B. K.O.	REFERENCES G.L.O. PLAT
WEATHER HOT	FILE 5 2 2 0 7

Sec. 36

State of
Utah

E 1/4 Cor. Sec. 36
2.5" Alum. Cap
2.0 High

END OF PROPOSED
PIPELINE RIGHT-OF-WAY
ON STATE OF UTAH LANDS
STA. 47+63.39
(At Existing Pipeline)

BEGINNING OF PROPOSED
PIPELINE RIGHT-OF-WAY
ON STATE OF UTAH LANDS
STA. 45+60.91
(At 1/16 Section Line)

R
19
E

R
20
E

SE 1/4

S 1/4 Cor. Sec. 36
2.5" Brass Cap
1.0 High

T6S
T7S

Vaughn E. and
Mary Ann
Parrish

Section Line

Robert W.
Conrad

BEGINNING OF PIPELINE ON STATE OF UTAH LANDS 45+60.91 BEARS
N44°07'42"W 1842.87' FROM THE SOUTHEAST CORNER OF SECTION 36,
T6S, R19E, S.L.B.&M.

END OF PIPELINE STA. 47+63.39 BEARS N41°45'01"W 2028.66' FROM
THE SOUTHEAST CORNER OF SECTION 36, T6S, R19E, S.L.B.&M.

Vaughn E. and
Mary Ann
Parrish

LOT 4

1/16 Section Line

NW 1/4

Sec. 1

W 1/4 Cor. Sec. 6
2009 Alum Cap
Flush W/Ground
3/4" Rebar

▲ = SECTION CORNERS LOCATED.

LOT 5

LINE TABLE			LINE TABLE		
LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH
L1	N70°03'38"W	58.16'	L13	N05°14'29"W	427.86'
L2	N70°03'38"W	220.12'	L14	N28°07'41"W	71.21'
L3	N84°25'41"W	288.20'	L15	N51°37'22"W	154.42'
L4	N84°24'36"W	192.01'	L16	N69°29'29"W	108.39'
L5	N89°01'30"W	1123.38'	L17	S89°46'34"W	610.13'
L6	S70°55'46"W	180.50'	L18	S76°37'43"W	159.44'
L7	N56°19'40"W	36.40'	L19	N86°39'40"W	131.54'
L8	N56°19'40"W	30.84'	L20	N37°30'51"W	77.54'
L9	N32°22'31"W	74.46'	L21	N18°32'51"W	10.99'
L10	N06°43'58"E	2.34'	L22	N18°32'51"W	153.32'
L11	N06°43'58"E	206.06'	L23	N22°40'47"W	49.16'
L12	N00°03'12"W	455.06'			

PIPELINE RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE SOUTH LINE OF THE NE 1/4 SE 1/4 OF SECTION 36, T6S, R19E, S.L.B.&M. WHICH BEARS
N44°07'42"W 1842.87' FROM THE SOUTHEAST CORNER OF SAID SECTION 36, THENCE N18°32'51"W 153.32'; THENCE
N22°40'47"W 49.16' TO A POINT IN THE NW 1/4 SE 1/4 OF SAID SECTION 36 WHICH BEARS N41°45'01"W 2028.66' FROM
THE SOUTHEAST CORNER OF SAID SECTION 36. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR
ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.139
ACRES MORE OR LESS.

Proposed
Access Road

N89°01'32"W - 2495.76' (Meas.)

1988 Brass Cap
0.4' High, Pile of
Stones

BEGINNING OF PROPOSED
PIPELINE RIGHT-OF-WAY
STA. 0+00
(At Edge of Surface Use Area)

SURFACE USE AREA
AURORA FEDERAL
#3-6D-7-20

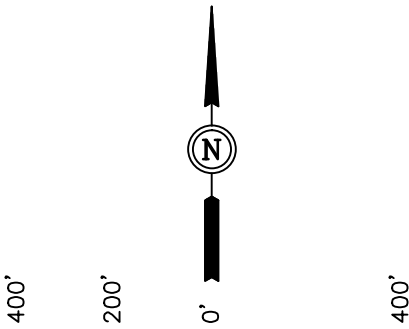
1988 Brass Cap
Flush W/Ground

BILL BARRETT CORPORATION

PIPELINE RIGHT-OF-WAY ON
STATE OF UTAH LANDS

(For AURORA FEDERAL
#3-6D-7-20)

LOCATED IN
SECTION 36, T6S, R19E, S.L.B.&M.
UINTAH COUNTY, UTAH



N

SCALE

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
STATE OF UTAH	202.48	0.139	12.27

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO
THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REV: 04-16-13
REV: 08-28-12

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE 1" = 400'	DATE 06-14-12
PARTY C.R. T.B. K.O.	REFERENCES G.L.O. PLAT
WEATHER HOT	FILE 5 2 2 1 0

Sec. 36

State of
Utah

E 1/4 Cor. Sec. 36
2.5" Alum. Cap
2.0 High

BEGINNING OF PROPOSED
POWER LINE RIGHT-OF-WAY
ON STATE OF UTAH LANDS
STA. 0+00
(At Existing Road)

R
19
E

R
20
E

Existing Road

See Detail "A"
@ Below Right

SE 1/4

P.I. 4+09.64
P.I. 5+61.53

P.I. 11+79.30

P.I. 12+96.19

P.I. 14+59.74

P.I. 15+41.21

P.I. 19+74.69

P.I. 24+32.94

P.I. 26+33.95

P.I. 26+94.23

P.I. 27+44.04

P.I. 29+16.22

P.I. 40+45.22

P.I. 42+41.39

P.I. 45+29.62

P.I. 47+44.57

P.I. 48+74.46

P.I. 50+00.00

P.I. 51+37.22

P.I. 52+07.41

P.I. 55+14.55

P.I. 56+19.40

P.I. 56+43.58

P.I. 58+01.30

P.I. 58+24.36

P.I. 58+49.10

P.I. 59+35.00

P.I. 60+03.12

P.I. 60+43.58

P.I. 61+37.22

P.I. 61+59.74

P.I. 62+07.41

P.I. 62+28.07

P.I. 62+55.14

P.I. 62+81.47

P.I. 62+116.89

P.I. 62+163.55

P.I. 62+223.69

P.I. 62+223.69

P.I. 62+223.69

P.I. 62+223.69

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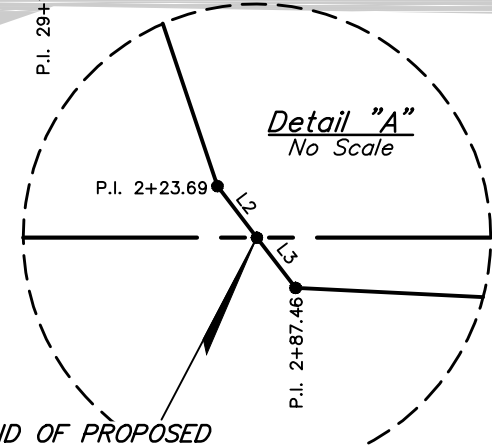
P.I. 62+223.69

S 1/4 Cor. Sec. 36
2.5" Brass Cap
1.0 High

T6S
T7S

Section Line
S89°58'17"E - 2640.43' (Meas.)

P.O.S.L. 26+38.18
P.O.S.L. 26+94.23
P.O.S.L. 27+02.71
P.O.S.L. 27+44.04
P.O.S.L. 29+16.22
P.O.S.L. 40+45.22
P.O.S.L. 42+41.39
P.O.S.L. 45+29.62
P.O.S.L. 47+44.57
P.O.S.L. 48+74.46
P.O.S.L. 50+00.00
P.O.S.L. 51+37.22
P.O.S.L. 52+07.41
P.O.S.L. 55+14.55
P.O.S.L. 56+19.40
P.O.S.L. 56+43.58
P.O.S.L. 58+01.30
P.O.S.L. 58+24.36
P.O.S.L. 58+49.10
P.O.S.L. 59+35.00
P.O.S.L. 60+03.12
P.O.S.L. 60+43.58
P.O.S.L. 61+37.22
P.O.S.L. 61+59.74
P.O.S.L. 62+07.41
P.O.S.L. 62+28.07
P.O.S.L. 62+55.14
P.O.S.L. 62+81.47
P.O.S.L. 62+116.89
P.O.S.L. 62+163.55
P.O.S.L. 62+223.69



Robert W.
Conrad

END OF PROPOSED
POWER LINE RIGHT-OF-WAY
ON STATE OF UTAH LANDS
STA. 2+25.56
(At 1/16 Section Line)

1/16 Section Line

NW 1/4

Sec. 1

▲ = SECTION CORNERS LOCATED.

W 1/4 Cor. Sec. 6
2009 Alum Cap
Flush W/Ground
3/4" Rebar

LOT 5

1/16 Section Line

1/16 Section Line

N89°01'32"W - 2495.76' (Meas.)

END OF PROPOSED POWER
LINE RIGHT-OF-WAY
STA. 47+44.57
(At Edge of Surface Use Area)

SURFACE USE AREA
AURORA FEDERAL
#3-6D-7-20

LOT 3

Vaughn E. and
Mary Ann
Parrish

LOT 2

N00°44'14"W
1409.16' (Meas.)

1/4 Section Line

1988 Brass Cap
Flush W/Ground

Sec. 6

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S18°34'07"E	223.69'
L2	S37°30'51"E	1.87'
L3	S37°30'51"E	61.90'
L4	S87°13'15"E	122.17'
L5	N75°47'18"E	151.90'
L6	N89°46'34"E	617.77'
L7	S69°29'29"E	116.89'
L8	S51°37'22"E	163.55'
L9	S28°07'41"E	81.47'
L10	S05°14'55"E	433.48'
L11	S00°03'12"E	458.25'
L12	S06°43'58"W	201.01'
L13	S32°22'31"E	4.23'
L14	S32°22'31"E	56.05'
L15	S56°19'40"E	8.49'
L16	S56°19'40"E	41.32'
L17	N70°50'13"E	172.18'
L18	S89°01'30"E	1129.01'
L19	S84°24'36"E	196.17'
L20	S84°25'42"E	288.23'
L21	S69°49'10"E	214.95'
L22	S69°35'00"E	58.67'

POWER LINE RIGHT-OF-WAY DESCRIPTION ON
STATE OF UTAH LANDS

A 150' WIDE RIGHT-OF-WAY 75' ON EACH SIDE OF THE FOLLOWING
DESCRIBED CENTERLINE.

BEGINNING AT A POINT THE NE 1/4 SE 1/4 OF SECTION 36, T6S,
R19E, S.L.B.&M. WHICH BEARS N40°51'03"W 2031.05' FROM THE
SOUTHEAST CORNER OF SAID SECTION 36, THENCE S18°34'07"E
223.69'; THENCE S37°30'51"E 1.87' TO A POINT ON THE SOUTH
LINE OF THE NE 1/4 SE 1/4 OF SAID SECTION 36 WHICH BEARS
N43°31'10"W 1824.17' FROM THE SOUTHEAST CORNER OF SAID
SECTION 36. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY
BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S
PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION.
CONTAINS 0.783 ACRES MORE OR LESS.

BEGINNING OF POWER LINE STA. 0+00 BEARS N40°51'03"W 2031.05'
FROM THE SOUTHEAST CORNER OF SECTION 36, T6S, R19E, S.L.B.&M.

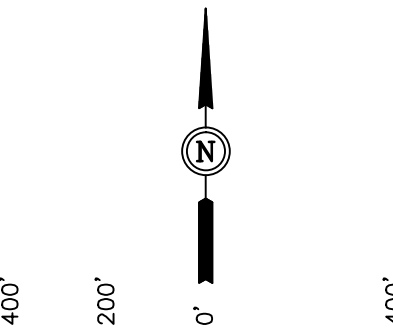
END OF POWER LINE P.O.S.L. 2+25.56 BEARS N43°31'10"W 1824.17'
FROM THE SOUTHEAST CORNER OF SECTION 36, T6S, R19E, S.L.B.&M.

BILL BARRETT CORPORATION

POWER LINE
RIGHT-OF-WAY ON
STATE OF UTAH LANDS

(For AURORA FEDERAL
#3-6D-7-20)

LOCATED IN
SECTION 36, T6S, R19E, S.L.B.&M.
UINTAH COUNTY, UTAH



SCALE

BASIS OF BEARINGS

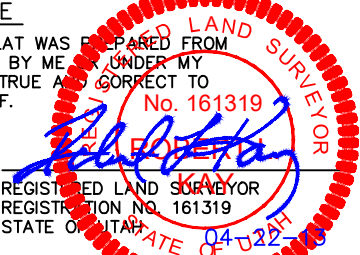
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
STATE OF UTAH	225.56	0.783	13.67

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO
THE BEST OF MY KNOWLEDGE AND BELIEF.



REV: 04-16-13 K.O.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE 1" = 400'	DATE 04-04-13
PARTY C.R. T.B. A.D.	REFERENCES G.L.O. PLAT
WEATHER HOT	FILE 5 3 8 3 9

Sec. 36

State of
Utah

E 1/4 Cor. Sec. 36
2.5" Alum. Cap
2.0 High

R
19
E
R
20
E

BEGINNING OF PROPOSED
POWER LINE RIGHT-OF-WAY
STA. 0+00
(At Existing Road)

Existing Road

See Detail "A"
@ Below Right

SE 1/4

Vaughn E. and
Mary Ann
Parrish

S 1/4 Cor. Sec. 36
2.5" Brass Cap
1.0 High

T6S
T7S

NE 1/4

Robert W.
Conrad

POWER LINE RIGHT-OF-WAY DESCRIPTION
ON VAUGHN E. AND MARY ANN PARRISH LANDS

A 150' WIDE RIGHT-OF-WAY 15' ON THE LEFT SIDE AND 135' ON THE RIGHT
SIDE EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE NORTH LINE OF THE SE 1/4 SE 1/4 OF
SECTION 36, T6S, R19E, S.L.B.&M. WHICH BEARS N43°31'10"W 1824.17' FROM
THE SOUTHEAST CORNER OF SAID SECTION 36, THENCE S37°30'51"E 61.90';
THENCE S87°13'15"E 122.17'; THENCE N75°47'18"E 151.90'; THENCE
N89°46'34"E 617.77'; THENCE S69°29'29"E 116.89'; THENCE S51°37'22"E
163.55'; THENCE S28°07'41"E 81.47'; THENCE S05°14'55"E 433.48'; THENCE
S00°03'12"E 458.25'; THENCE S06°43'58"W 201.01'; THENCE S32°22'31"E
4.23' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 SE 1/4 OF SAID
SECTION 36 WHICH BEARS S89°58'17"W 36.50' FROM THE SOUTHEAST
CORNER OF SAID SECTION 36. ALSO BEGINNING AT A POINT ON THE WEST
LINE OF LOT 4 OF SECTION 6, T7S, R20E, S.L.B.&M. WHICH BEARS
S00°37'46"E 52.03' FROM THE NORTHWEST CORNER OF SAID SECTION 6,
THENCE S56°19'40"E 41.32'; THENCE N70°50'13"E 172.18'; THENCE
S89°01'30"E 1129.01'; THENCE S84°24'36"E 196.17'; THENCE S84°25'42"E
288.23'; THENCE S69°49'10"E 214.95' TO A POINT IN LOT 3 OF SAID
SECTION 6 WHICH BEARS S76°30'13"W 498.87' FROM THE NORTH 1/4
CORNER OF SAID SECTION 6. THE SIDE LINES OF SAID DESCRIBED
RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S
PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS
15.333 ACRES MORE OR LESS.

Sec. 1

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S18°34'07"E	223.69'
L2	S37°30'51"E	1.87'
L3	S37°30'51"E	61.90'
L4	S87°13'15"E	122.17'
L5	N75°47'18"E	151.90'
L6	N89°46'34"E	617.77'
L7	S69°29'29"E	116.89'
L8	S51°37'22"E	163.55'
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L10	S05°14'55"E	433.48'
L11	S00°03'12"E	458.25'
L12	S06°43'58"W	201.01'
L13	S32°22'31"E	4.23'
L14	S32°22'31"E	56.05'
L15	S56°19'40"E	8.49'
L16	S56°19'40"E	41.32'
L17	N70°50'13"E	172.18'
L18	S89°01'30"E	1129.01'
L19	S84°24'36"E	196.17'
L20	S84°25'42"E	288.23'
L21	S69°49'10"E	214.95'
L22	S69°35'00"E	58.67'

POWER LINE RIGHT-OF-WAY DESCRIPTION
ON ROBERT W. CONRAD LANDS

A 150' WIDE RIGHT-OF-WAY 15' ON THE LEFT SIDE AND 135' ON
THE RIGHT SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

BEGINNING AT A POINT ON THE NORTH LINE OF THE NE 1/4 NE
1/4 OF SECTION 1, T7S, R19E, S.L.B.&M. WHICH BEARS
S89°58'17"W 36.50' FROM THE NORTHEAST CORNER OF SAID
SECTION 1, THENCE S32°22'31"E 56.05'; THENCE S56°19'40"E 8.49'
TO A POINT ON THE EAST LINE OF THE NE 1/4 NE 1/4 OF SAID
SECTION 1 WHICH BEARS S00°37'46"E 52.03' FROM THE
NORTHEAST CORNER OF SAID SECTION 1. THE SIDE LINES OF SAID
DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO
MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A
G.P.S. OBSERVATION. CONTAINS 0.574 ACRES MORE OR LESS.

BEGINNING OF POWER LINE ON FEE LANDS STA. 2+25.56 BEARS
N43°31'10"W 1824.17' FROM THE SOUTHEAST CORNER OF SECTION 36,
T6S, R19E, S.L.B.&M.

P.O.S.L. 26+38.18 BEARS S89°58'17"W 36.50' FROM THE SOUTHEAST
CORNER OF SECTION 36, T6S, R19E, S.L.B.&M.

P.O.S.L. 27+02.71 BEARS S00°37'46"E 52.03' FROM THE NORTHEAST
CORNER OF SECTION 1, T7S, R19E, S.L.B.&M.

END OF POWER LINE STA. 47+44.57 BEARS S76°30'13"W 498.87' FROM
THE NORTH 1/4 CORNER OF SECTION 6, T7S, R20E, S.L.B.&M.

BILL BARRETT CORPORATION

POWER LINE
RIGHT-OF-WAY ON FEE
LANDS

(For AURORA FEDERAL
#3-6D-7-20)

LOCATED IN
SECTION 1, T7S, R19E, S.L.B.&M.
SECTION 6, T7S, R20E, S.L.B.&M. &
SECTION 36, T6S, R19E, S.L.B.&M.
UINTAH COUNTY, UTAH



S C A L E

BASIS OF BEARINGS

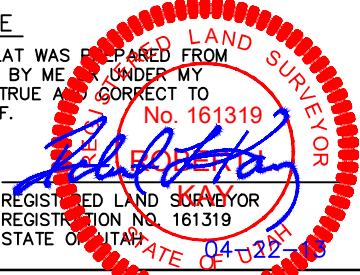
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
VAUGHN E. AND MARY ANN PARRISH	4454.48	15.333	269.97
ROBERT W. CONRAD	64.53	0.574	3.91
TOTALS	4519.01	15.907	273.88

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME, UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO
THE BEST OF MY KNOWLEDGE AND BELIEF.



REV: 04-22-13 K.O.

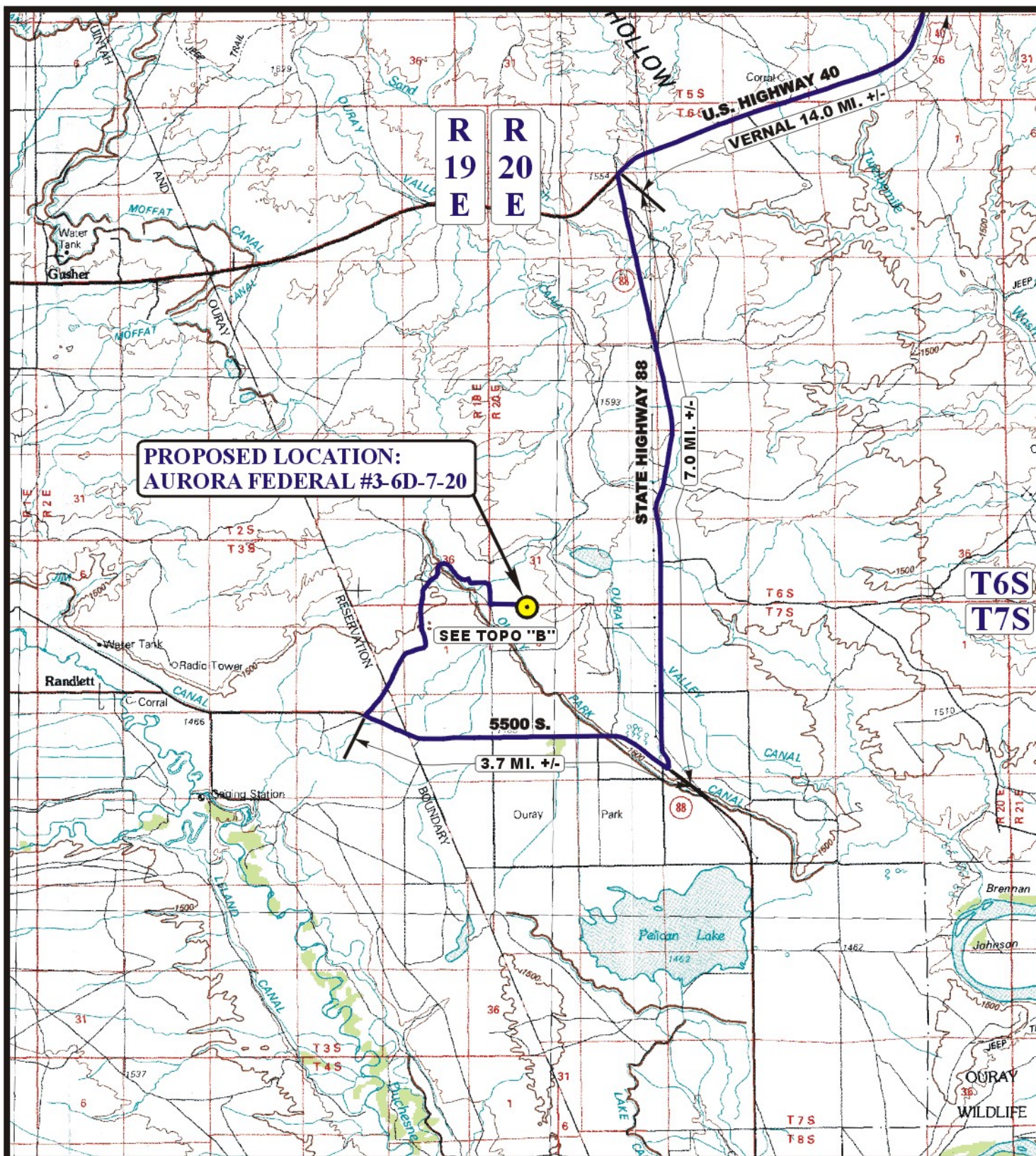
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE 1" = 400'	DATE 04-04-13
PARTY C.R. T.B. A.D.	REFERENCES G.L.O. PLAT
WEATHER HOT	FILE 5 3 8 3 8

BILL BARRETT CORPORATION
AURORA FEDERAL #3-6D-7-20
SECTION 6, T7S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF THIS ROAD AND STATE HIGHWAY 88 TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 7.0 MILES TO THE JUNCTION OF THIS ROAD AND 5500 S. TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN WESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 3.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN NORTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE EXISTING FD #11-36-6-19 LOCATION; PROCEED IN A NORTHERLY, THEN NORTHEASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN EASTERLY, THEN SOUTHERLY, THEN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 4,803' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 28.2 MILES.



LEGEND:

PROPOSED LOCATION



BILL BARRETT CORPORATION

AURORA FEDERAL #3-6D-7-20
SECTION 6, T7S, R20E, S.L.B.&M.
185' FNL 2662' FWL



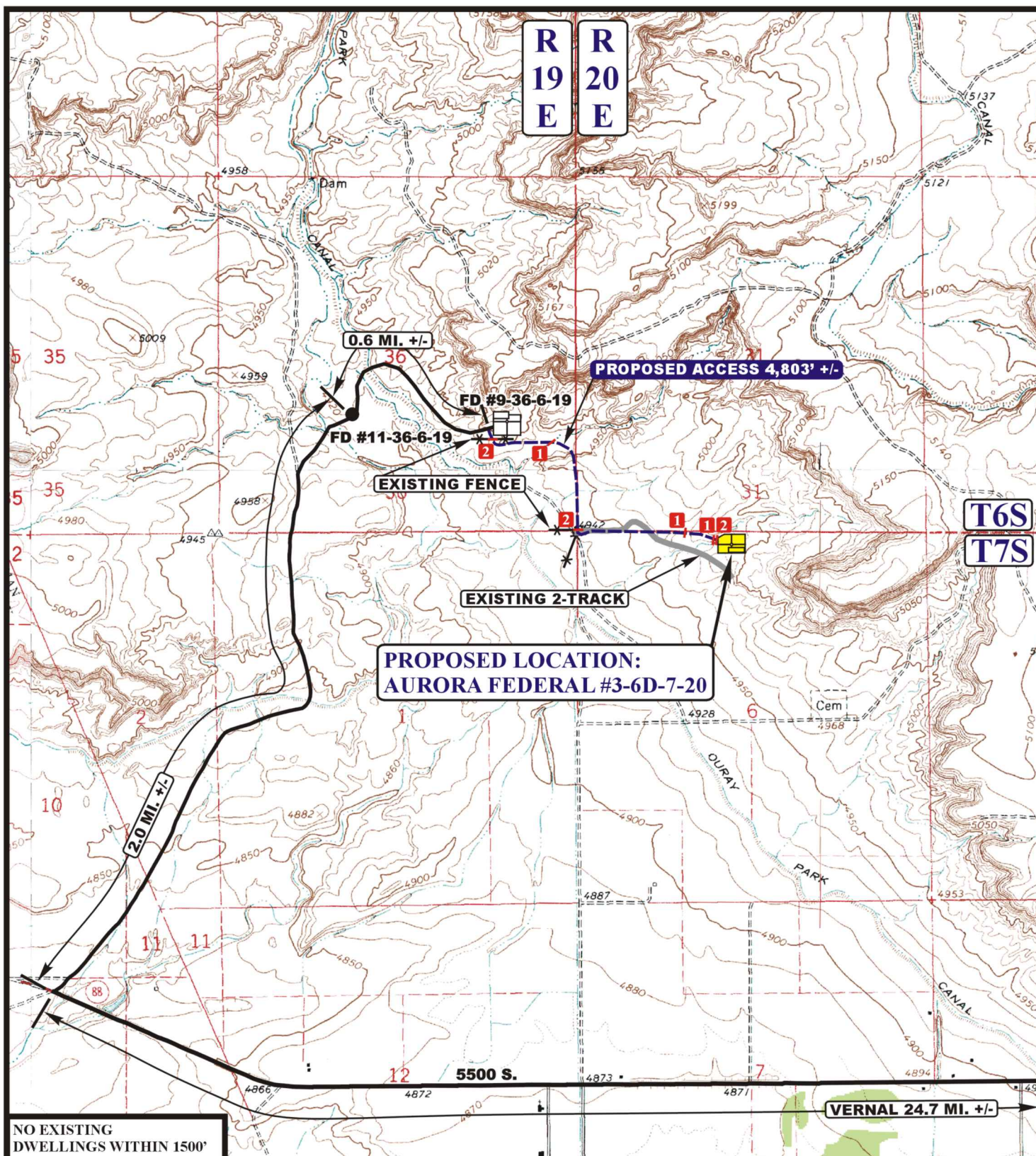
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD
MAP

06 12 12
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: J.L.H. REV:08-29-12J.L.G.





NO EXISTING
DWELLINGS WITHIN 1500'

LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK
- EXISTING FENCE
- 1 36" CMP REQUIRED
- 2 INSTALL CATTLEGAURD

BILL BARRETT CORPORATION

AURORA FEDERAL #3-6D-7-20
SECTION 6, T7S, R20E, S.L.B.&M.
185' FNL 2662' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

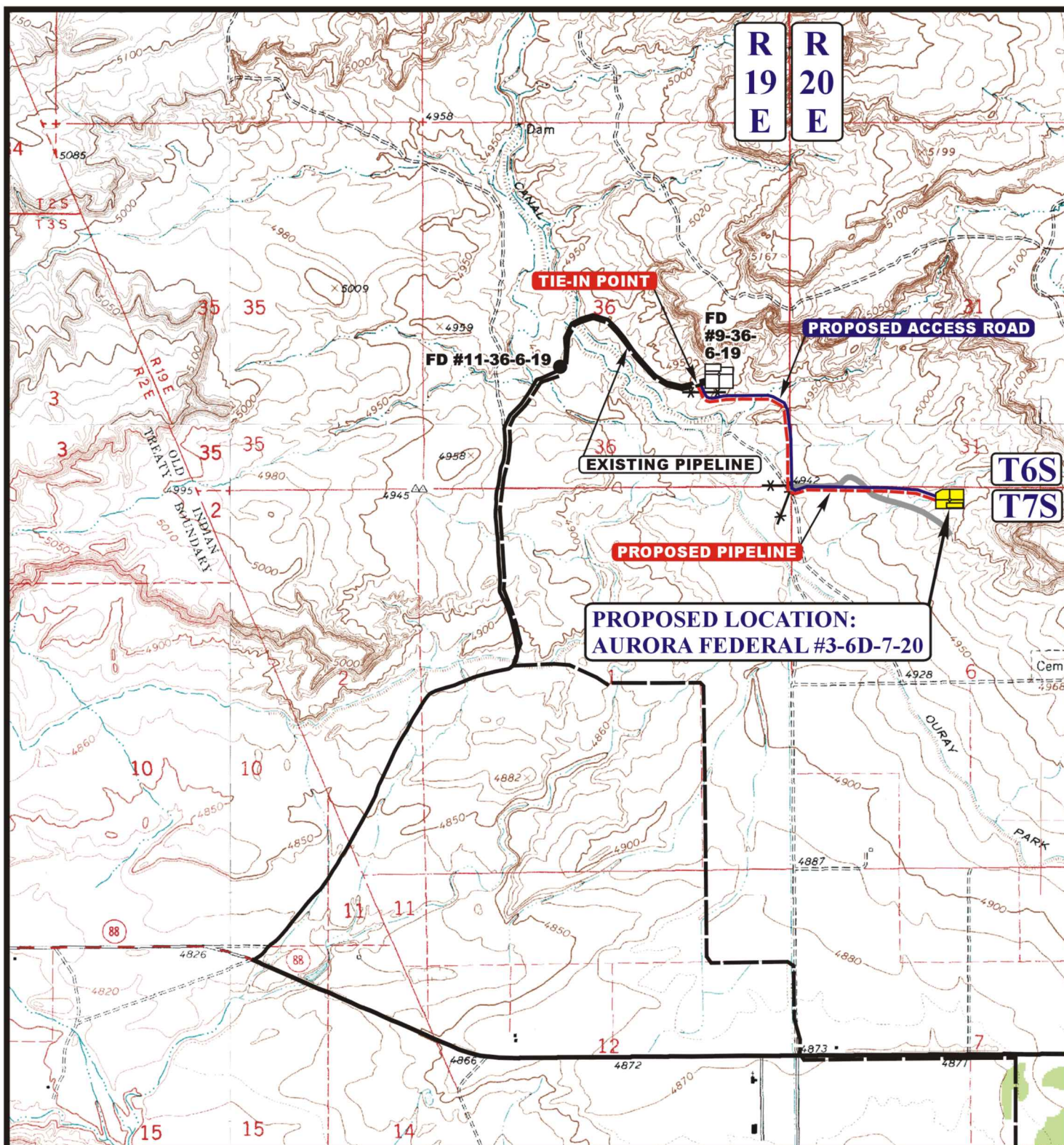


**ACCESS ROAD
MAP**

06 12 12
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.H. REV: 04-22-13 S.O.





APPROXIMATE TOTAL PIPELINE DISTANCE = 4822' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE

BILL BARRETT CORPORATION

AURORA FEDERAL #3-6D-7-20
SECTION 6, T7S, R20E, S.L.B.&M.
185' FNL 2662' FWL



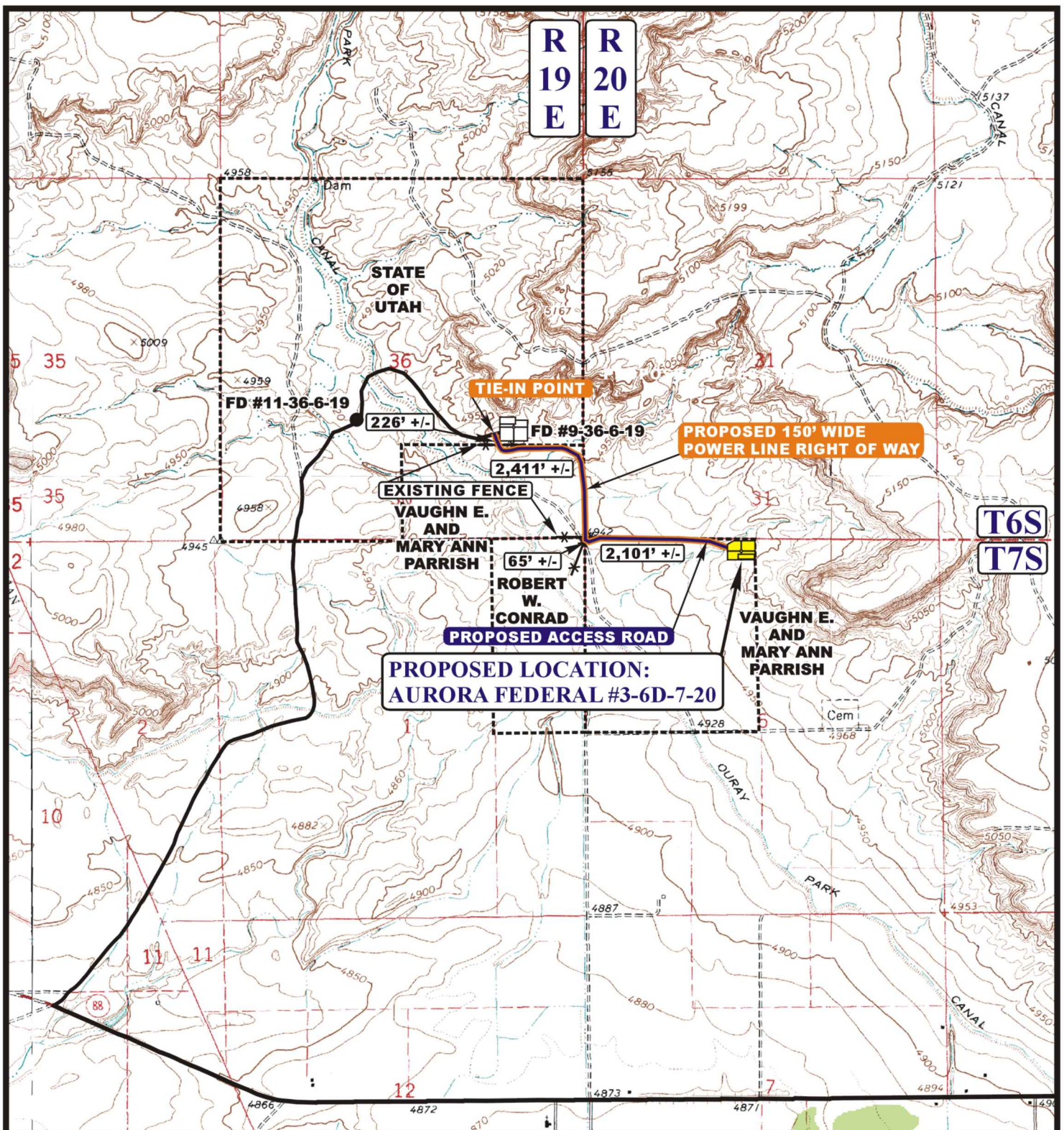
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

06 12 12
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: J.L.H. REV: 04-22-13 S.O.





APPROXIMATE TOTAL POWER LINE DISTANCE = 4,803' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- PROPOSED POWER LINE
- - - - - EXISTING POWER LINE
- PROPOSED POWER LINE (SERVICING OTHER WELLS)



BILL BARRETT CORPORATION

AURORA FEDERAL #3-6D-7-20
SECTION 6, T7S, R20E, S.L.B.&M.
185' FNL 2662' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP
 SCALE: 1" = 2000' DRAWN BY: J.L.H. REV: 04-22-13 S.O.



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 06 2013

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

CONFIDENTIAL

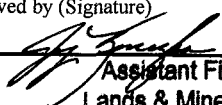
1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU75241
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No.
Contact: BRADY RILEY E-Mail: briley@billbarrettcorp.com		8. Lease Name and Well No. AURORA FEDERAL 3-6D-7-20
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 303-312-8115	9. API Well No. 43-047-53295
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface Lot 3 185FNL 2262FWL 40.246764 N Lat, 109.713772 W Lon At proposed prod. zone Lot 3 660FNL 1980FWL 40.246764 N Lat, 109.713772 W Lon		10. Field and Pool, or Exploratory UNDESIGNATED
14. Distance in miles and direction from nearest town or post office* 28.2 MILES TO VERNAL, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 6 T7S R20E Mer SLB SME: FEE
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660' LEASE LINE	16. No. of Acres in Lease 1905.34	12. County or Parish UINTAH
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 3751 WELL	19. Proposed Depth 9421 MD 9392 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 4990 GL	22. Approximate date work will start 03/01/2014	17. Spacing Unit dedicated to this well 80.00
		20. BLM/BIA Bond No. on file WYB000040
		23. Estimated duration 21 D&C

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) BRADY RILEY Ph: 303-312-8115	Date 06/01/2013
Title PERMIT ANALYST		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date SEP 18 2013
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

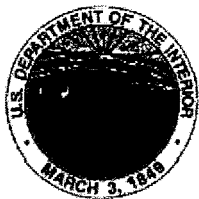
Additional Operator Remarks (see next page)

Electronic Submission #209221 verified by the BLM Well Information System
For BILL BARRETT CORPORATION, sent to the Vernal
Committed to AFMSS for processing by JOHNETTA MAGEE on 06/11/2013 (13JM0401AE)

NOTICE OF APPROVAL

UDOGM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

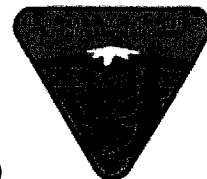


UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: BILL BARRETT
Well No: AURORA FEDERA; 3-6D-7-20
API No: 43-047-53295

Location: LOT 3, Sec. 6, T7S, R20E
Lease No: UTU-75241
Agreement:

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm_ut_vn_opreport@blm.gov
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- Any deviation of submitted APD's, which includes BBCs surface use plan, and ROW applications the operator will notify the BLM in writing and will receive written authorization of any such change with appropriate authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COAs, and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- Noxious weeds will be treated, monitored, and controlled along both the access road, pipeline route, and on the well pad itself.
- Insure topsoil stability on location and use topsoil for interim reclamation as soon as possible to maintain viability of the topsoil resource. If stored for a longer period of time then topsoil will be maintained to increase viability until the resource can be used for reclamation purposes only.
- All above ground production facilities will be painted Beetle Green on this location to help blend in with the surrounding habitat, unless otherwise directed by the landowners or BLM AO.
- The operator must conduct operations to minimize adverse effects to surface and subsurface resources. This will be accomplished by staying on the approved acres of disturbance, and conforming to dust mitigation technology and doing interim reclamation practices on unused portions of the proposal.
- All dry washes will be diverted away from the actual well pad as discussed during the onsite investigation, and as agreed to by the landowners.

- Other site specific stipulations agreed upon during the onsite by the landowner as stated in the beginning of the Surface Use Plan of Operations (SUPO) of the APD will be followed and implemented. See bullets 1-2 on the first page of the SUPO.

Site reclamation will be accomplished for portions of the well pad not needed for production, within 6 months of completion, weather permitting. This also includes any roads, and pipeline areas that have been disturbed as well. Road areas not being used and pipeline disturbances can undergo reclamation immediately after the pipeline is installed and after the roads are built. Please contact the private landowner for seed mixes that work in the area. This is could also be included in the reclamation plan from BBC. Seeds must be planted in the fall and prior to ground freeze. Non-natives can be used; however lbs/ac must be kept low to minimize the chance of a monoculture.

-

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- A formation integrity test shall be performed at the surface casing shoe.
- Gamma Ray Log shall be run from Total Depth to Surface.
- To effectively protect useable water, cement for the long string is required to be brought 200 feet above the surface casing shoe.
- A bowl diverter system, which is connected and discharges to a panic or choke blooie line, shall be installed while drilling of the surface hole section.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼ ¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU75241
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: Aurora Federal 3-6D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0185 FNL 2262 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 06 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047532950000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/9/2015	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BBC hereby requests a one year extension for APD.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: March 25, 2014

By:

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 3/24/2014	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047532950000

API: 43047532950000

Well Name: Aurora Federal 3-6D-7-20

Location: 0185 FNL 2262 FWL QTR NENW SEC 06 TWNP 070S RNG 200E MER S

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 4/9/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Christina Hirtler

Date: 3/24/2014

Title: Administrative Assistant Representing: BILL BARRETT CORP

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU75241
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1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Aurora Federal 3-6D-7-20	
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0185 FNL 2262 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 06 Township: 07.0S Range: 20.0E Meridian: S	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/9/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BBC Hereby request a one year extension for APD

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: April 22, 2014

By: 

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A		DATE 4/22/2014



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047532950000

API: 43047532950000

Well Name: Aurora Federal 3-6D-7-20

Location: 0185 FNL 2262 FWL QTR NENW SEC 06 TWNP 070S RNG 200E MER S

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 4/9/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

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- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Christina Hirtler

Date: 4/22/2014

Title: Administrative Assistant Representing: BILL BARRETT CORP

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU75241			
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9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM		COUNTY: UINTAH			
STATE: UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/1/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Bill Barrett Corporation is requesting permission to revise the surface casing set depth for this well from 1500' to 1200'. Hole size will remain the same. Surface casing size will change from 9-5/8" to 8-5/8". Revised cement amounts will change to 170sx (lead) and 270sx (tail) and the production cement amount will change to 740sx (lead); Tail remains the same. See attached revised drilling plan for additional information.					
Accepted by the Utah Division of Oil, Gas and Mining Date: May 01, 2014 By: <u>Dark Quist</u>					
NAME (PLEASE PRINT) Brady Riley		PHONE NUMBER 303 312-8115			
SIGNATURE N/A		TITLE Permit Analyst			
DATE 5/1/2014					

BILL BARRETT CORPORATION
DRILLING PLAN REVISED

Aurora Federal 3-6D-7-20

Lot 3, NENW, 185' FNL and 2262' FWL, Section 6, T7S-R20E, SLB&M (surface hole)

Lot 3, NENW, 660' FNL and 1980' FWL, Section 6, T7S-R20E, SLB&M (bottom hole)

Uintah County, Utah

1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth – TVD</u>
Green River*	4558'	4542'
Mahogany	5846'	5822'
TGR3	7001'	6972'
Black Shale	7711'	7682'
Wasatch*	8621'	8592'
TD	9421'	9392'

*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 912'

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1200'	No pressure control required
1200' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1200'	8 5/8"	24#	J or K 55	ST&C	New
7 7/8"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

*The casing program is based on recent wells drilled by Axia in the immediate area.

9-5/8" casing may be preset with a spudder rig. If this occurs, the following equipment shall be in place and operational during air/gas drilling:

Bill Barrett Corporation
Drilling Program
Aurora Federal 3-6D-7-20
Uintah County, Utah

- Properly lubricated and maintained rotating head
- Spark arresters on engines or water cooled exhaust
- Blooie line discharge 100 feet from well bore and securely anchored
- Straight run on blooie line unless otherwise approved
- Deduster equipment
- All cuttings and circulating medium shall be directed into a reserve or blooie pit
- Float valve above bit
- Automatic igniter or continuous pilot light on the blooie line
- Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the well bore
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits

5. Cementing Program

16" Conductor Casing	Grout
8 5/8" Surface Casing	Lead: 170 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 270 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. TOC @ 500'
5 1/2" Production Casing	Lead: 740 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 700' Tail: 410 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 7211'

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> <u>(API filtrate)</u>	<u>Remarks</u>
0' – 80'	8.3 – 8.7	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 1200'	9.2 – 9.4	26 – 36	NC	Freshwater Spud Mud Fluid System
1200' – TD	9.4 - 9.5	42 – 52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

Bill Barrett Corporation
Drilling Program
Aurora Federal 3-6D-7-20
Uintah County, Utah

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4688 psi* and maximum anticipated surface pressure equals approximately 2621 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A – (0.22 x TD)

9. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
 - b) Inside BOP or stab-in valve (available on rig floor)
 - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Green River located in Sec. 33, T8S-R20E.

11. Drilling Schedule

Location Construction:	May 2014
Spud:	May 2014
Duration:	15 days drilling time
	6 days completion time



Bill Barrett Corporation

AURORA CEMENT VOLUMES

Well Name: Aurora Federal 3-6D-7-20 REVISED

Surface Hole Data:

Total Depth:	1,200'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	8.625"

Calculated Data:

Lead Volume:	505.6	ft ³
Lead Fill:	700'	
Tail Volume:	361.1	ft ³
Tail Fill:	500'	

Cement Data:

Lead Yield:	3.16	ft ³ /sk
% Excess:	75%	
Top of Lead:	0'	

Calculated # of Sacks:

# SK's Lead:	170
--------------	-----

Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	700'	

# SK's Tail:	270
--------------	-----

Production Hole Data:

Total Depth:	9,421'
Top of Cement:	700'
Top of Tail:	7,211'
OD of Hole:	7.875"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1692.1	ft ³
Lead Fill:	6,511'	
Tail Volume:	574.4	ft ³
Tail Fill:	2,210'	

Cement Data:

Lead Yield:	2.31	ft ³ /sk
Tail Yield:	1.42	ft ³ /sk
% Excess:	50%	

Calculated # of Sacks:

# SK's Lead:	740
# SK's Tail:	410

Aurora Federal 3-6D-7-20 REVISED Proposed Cementing Program
--

<u>Job Recommendation</u>	<u>Surface Casing</u>		
Lead Cement - (700' - 0')			
Halliburton Light Premium	Fluid Weight:	11.0	lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield:	3.16	ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid:	19.48	Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	0'	
2.0% Bentonite	Calculated Fill:	700'	
	Volume:	90.04	bbl
	Proposed Sacks:	170	sks
Tail Cement - (TD - 700')			
Premium Cement	Fluid Weight:	14.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.36	ft ³ /sk
	Total Mixing Fluid:	6.37	Gal/sk
	Top of Fluid:	700'	
	Calculated Fill:	500'	
	Volume:	64.32	bbl
	Proposed Sacks:	270	sks

<u>Job Recommendation</u>	<u>Production Casing</u>		
Lead Cement - (7211' - 700')			
Tuned Light™ System	Fluid Weight:	11.0	lbm/gal
	Slurry Yield:	2.31	ft³/sk
	Total Mixing Fluid:	10.65	Gal/sk
	Top of Fluid:	700'	
	Calculated Fill:	6,511'	
	Volume:	301.35	bbl
	Proposed Sacks:	740	sks
Tail Cement - (9421' - 7211')			
Econocem™ System	Fluid Weight:	13.5	lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield:	1.42	ft³/sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid:	6.61	Gal/sk
	Top of Fluid:	7,211'	
	Calculated Fill:	2,210'	
	Volume:	102.30	bbl
	Proposed Sacks:	410	sks

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU75241
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: Aurora Federal 3-6D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0185 FNL 2262 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 06 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047532950000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/5/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 65%;"> <p>Bill Barrett Corporation is requesting permission to revise the production casing grade from P-110 to I-80. Production casing and hole size along with cement totals will remain the same as previously approved.</p> </div> <div style="width: 30%; text-align: right;"> <p>Accepted by the Utah Division of Oil, Gas and Mining June 05, 2014</p> <p>Date: _____</p> <p>By: <u>Dark Ount</u></p> </div> </div>		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 6/5/2014

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: Aurora Federal 3-6D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0185 FNL 2262 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 06 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047532950000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 7/3/2014	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This well was spud on 7/3/2014 at 8:00 am by Triple A Drilling; Rig #TA 4037, Type Soilmec SR/30. Continuous drilling is planned to commence on 8/1/2014.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 08, 2014		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 7/7/2014	

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 328
Submitted By Jeff Johnson Phone Number 303-353-5425
Well Name/Number AURORA FEDERAL 3-6D-7-20
Qtr/Qtr NENW Section 6 Township 7S Range 20E
Lease Serial Number UTU75241
API Number 43047532950000

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☒ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 7.22.2014 14:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/9/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
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	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
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	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> <p style="text-align: center; font-size: 1.2em;">THIS WELL HAD FIRST PRODUCTION ON 8/9/14 AND FIRST GAS SALES ON 8/10/14</p> </div> <div style="width: 35%; text-align: center;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>August 11, 2014</p> </div> </div>		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 8/11/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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COUNTY: UINTAH		STATE: UTAH
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TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/31/2014	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached is the July 2014 Drilling Activity for this well.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 11, 2014		
NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 8/5/2014	

**Aurora 03-6D-7-20 7/8/2014 06:00 - 7/9/2014 06:00**

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com

Aurora 03-6D-7-20 7/14/2014 19:00 - 7/15/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
19:00	4.00	23:00	14	NIPPLE UP B.O.P	NIPPLE B.O.P.
23:00	2.00	01:00	15	TEST B.O.P	TEST LOWER KELLY VALVE, SAFETY VALVE, PIPE RAMS INSIDE VALVES, HCR, OUTSIDE KILL LINE VALVES, CHOKE LINE, CHECK VALVE, UPRIGHT GAGE VALVE, BLIND RAMS, AND INSIDE MANIFOLD VALVES ALL TO 5000PSI FOR 10 MIN. - TEST ANNULAR TO 2500PSI - SUPER CHOKE 500PSI 5MIN. - TEST CSG TO 1500PSI FOR 30MIN. TESTED USING B&C QUICK TEST.
01:00	5.00	06:00	8	REPAIR RIG	CHANGE OUT BLIND RAMS, LOCATE PARTS, WAIT ON PARTS

Aurora 03-6D-7-20 7/15/2014 06:00 - 7/16/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	8	REPAIR RIG	WAIT ON BLIND RAMS
06:30	1.50	08:00	9	CUT OFF DRILL LINE	SLIP AND CUT 70' DRILL LINE
08:00	0.50	08:30	7	LUBRICATE RIG	RIG SERVICE
08:30	4.50	13:00	8	REPAIR RIG	WAIT ON BLIND RAMS
13:00	0.50	13:30	8	REPAIR RIG	INSTALL BLIND RAMS
13:30	1.00	14:30	15	TEST B.O.P	FINISH B.O.P. TEST
14:30	2.00	16:30	20	DIRECTIONAL WORK	PICK UP BIT, MOTOR, AND DIRECTIONAL TOOLS
16:30	1.50	18:00	6	TRIPS	TIH
18:00	1.50	19:30	2	DRILL ACTUAL	DRILL CEMENT AND 20' NEW HOLE, RUN EMW TEST AT 130PSI, LOST 27PSI IN 5 MIN.
19:30	10.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/1252' - T/2307' - 1055' @ 100.5'/HR. WOB=11K, RPM=53, 610GPM, 1800PSI

Aurora 03-6D-7-20 7/16/2014 06:00 - 7/17/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	DRILL ACTUAL F/2307' - T/4162' - 1855' @ 176.6'/HR. WOB=15K, RPM=65, 550GPM, 1850PSI
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	13.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/4162' - T/4736' - 574' @ 44.2'/HR. WOB=15K, RPM=65, 580GPM, 1970PSI

Aurora 03-6D-7-20 7/17/2014 06:00 - 7/18/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	DRILL ACTUAL F/4736' - T/5174' - 438' @ 41.7'/HR. WOB=18K, RPM=65, 600GPM, 2500PSI
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	13.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/5174' - T/5667' - 493' @ 37.9'/HR. WOB=19K, RPM=60, 600GPM, 2345PSI

Aurora 03-6D-7-20 7/18/2014 06:00 - 7/19/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.50	15:30	2	DRILL ACTUAL	DRILL ACTUAL F/5667' - T/6143' - 476' @ 50.1'/HR. WOB=24K, RPM=60, 600GPM, 2625PSI
15:30	0.50	16:00	7	LUBRICATE RIG	RIG SERVICE
16:00	14.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/6143' - T/6716' - 573' @ 40.9'/HR. WOB=18K, RPM=55, 570GPM, 2425PSI

Aurora 03-6D-7-20 7/19/2014 06:00 - 7/20/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	DRILL ACTUAL F/6716' - T/7450' - 734' @ 73.4'/HR. WOB=18K, RPM=65, 550GPM, 2750PSI
16:00	0.50	16:30	7	LUBRICATE RIG	RIG SERVICE
16:30	13.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/7450' - T/8071' - 621' @ 46'/HR. WOB= 25K, RPM=65. 530GPM, 2400PSI

Aurora 03-6D-7-20 7/20/2014 06:00 - 7/21/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	Rotary drl f/8071' t/ 8462', 24-28k wob, 60-70 rpm, 530 gpm, 250 psi diff, 39 fph ave.
16:00	0.50	16:30	7	LUBRICATE RIG	Rig service.
16:30	8.50	01:00	2	DRILL ACTUAL	Rotary drl f/8462' t/ 8673', CP/TD. 24.8 fph ave. BGG @ 200 units, no seepage.
01:00	1.50	02:30	5	COND MUD & CIRC	Send two high visc sweeps, C&C f/logs, visc 60+ 9.4 ppg MW. Shakers clean.
02:30	3.50	06:00	6	TRIPS	Flow check f/30 minutes, no flow. Pump 40 bbl dry job. Tooh.

Aurora 03-6D-7-20 7/21/2014 06:00 - 7/22/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	6	TRIPS	Tooh, flow check @ casing shoe, no flow. Pull rotating head rubber. LD HWDP.
11:00	1.50	12:30	20	DIRECTIONAL WORK	LD DC's, MWD & MM.
12:30	10.50	23:00	6	TRIPS	PU 7 7/8" insert bit, BS, 15 HWDP, tih, brk circ every 2000'. Tag bridges @ 3064', 3344', tih, circ btms up @ 5050', oil across shakers, tih & wash f/8600' t/btm, no fill.
23:00	2.00	01:00	5	COND MUD & CIRC	C&C, 9.6 mw, visc of 60. Send two high visc sweeps, sloughing and rubble across shakers, flow check no flow, pump dry job.
01:00	5.00	06:00	6	TRIPS	Tooh f/E logs w/no hole issues.

Aurora 03-6D-7-20 7/22/2014 06:00 - 7/23/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	6	TRIPS	Tooh, LD bit & BS.
06:30	11.00	17:30	11	WIRELINE LOGS	Held pre job safety meeting w/Weatherford wireline. PU Quad combo/gamma ray, install pack off, rih w/wire line t/ 8638', 35' of fill. Log out t/surface casing @ 1235' w/no hole issues. RD wireline.
17:30	1.00	18:30	21	OPEN	LD wireline adapter f/rotating head, pull wear bushing, RU floor t/run production casing.
18:30	11.50	06:00	12	RUN CASING & CEMENT	PU FS, 2 shoe jts, FC, rih w/production casing @ 60' per minute, brk circ every 1000', btms up @ 1/4, 1/2 & 3/4 btms up @ 6:00 am. Jt # 145 in the hole of 192 total.

Aurora 03-6D-7-20 7/23/2014 06:00 - 7/24/2014 00:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	12	RUN CASING & CEMENT	Rih w/production casing, landed at 8653.4' KB.
09:30	4.00	13:30	5	COND MUD & CIRC	C&C, mw 9.5+, visc 40, YP 15 PV 10, landed well in cement mandrel.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
13:30	4.00	17:30	12	RUN CASING & CEMENT	Held pre job safety meeting w/Halliburton. Pressure test lines t/5K. Mix & pump 20 bbl FW spacer, 20 bbl Super Flush, 20 bbl FW spacer, 40 bbl Tuned spacer. 665 sx Lead cmt @ 11ppg, 277 bbls slurry, 575 sx Tail cmt @ 13.5 ppg. Drop plug, displace w/198.3 bbls FW w/Biocide/KCL. Bump plug 2300 psig, t/500 psi over differential. Check floats, floats held. 110 bbls cmt t/surface w/full returns thru out cmt job. RD Halliburton
17:30	6.50	00:00	1	RIGUP & TEARDOWN	Flush cmt out of stack, flow line, install well head pack off, clean pits, RDRT's & release t/Aurora Federal 15-23D-7-20.

Aurora 03-6D-7-20 7/25/2014 06:00 - 7/26/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	IWHD	Install Wellhead	HSM. CHECK PRESSURE. ND 11" NIGHT CAP. CLEAN HANGER MANDREL. NU 7" 5K TBG HEAD. PRES TEST VOID AND SEALS. GOOD. NU 7" NIGHT CAP. WELL SECURE.
10:30	6.00	16:30	LOGG	Logging	MIRU CUTTERS. RIH W/ GR/JB. TAG AT 8517'. DRLG SHOW FC AT 8562' (42' FILL). RIH W/ CBL AND LOG FROM 8517' TO SURFACE. LOG SHOWS TD-3950' GOOD BOND. 3950'-2000' LIGHT WEIGHT CMT, 2000' - 900' FAIR CMT. EST TOC AT 500'. MARKER JTS AT 7639'-7663', AND 6996'-7019'. DID NOT HOLD PRESSURE AS RUN LOG. RDMO CUTTERS. WELL SECURE.
16:30	1.00	17:30	SRIG	Rig Up/Down	RDMO OUT CUTTERS
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	LOCK & SECURE WELL

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU75241
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: Aurora Federal 3-6D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0185 FNL 2262 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 06 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047532950000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/6/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: SITE SECURITY DIAGRAM	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ATTACHED PLEASE FIND THE UPDATED SITE FACILITY
 DIAGRAM/SECURITY PLAN.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

FOR RECORD ONLY

August 19, 2014

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 8/6/2014	

Sundry Number: 54219 API Well Number: 43047532950000

BILL BARRETT CORPORATION

FEE

Aurora Federal 3-6D-7-20
LOT 3 SEC 6,T7S, R20E,
Lease # UTU 75241
API # 43-047-53295
Uintah Co. Utah

Site Security Plan Located at
Bill Barrett Corporation
Roosevelt Office
ROUTE 3 BOX 3110
1820 W HIGHWAY 40
ROOSEVELT, UT 84066

1 - 4" LOAD LINE

Production Phase – sealed closed

Sales Phase- open to load Production bought

2 – 3" OIL LINES

Production Phase – open

Sales Phase – sealed close

3 – 4" DRAIN

Production Phase – sealed closed

Sales Phase – sealed closed

Drain water – open

4 – 4" UPPER EQUALIZER

Production Phase – open

Sales Phase – sealed close

5 – BYPASS

6 – 3" WATER LINES

Production Phase – open

No Sales Phase

7- 2" RECYCLE

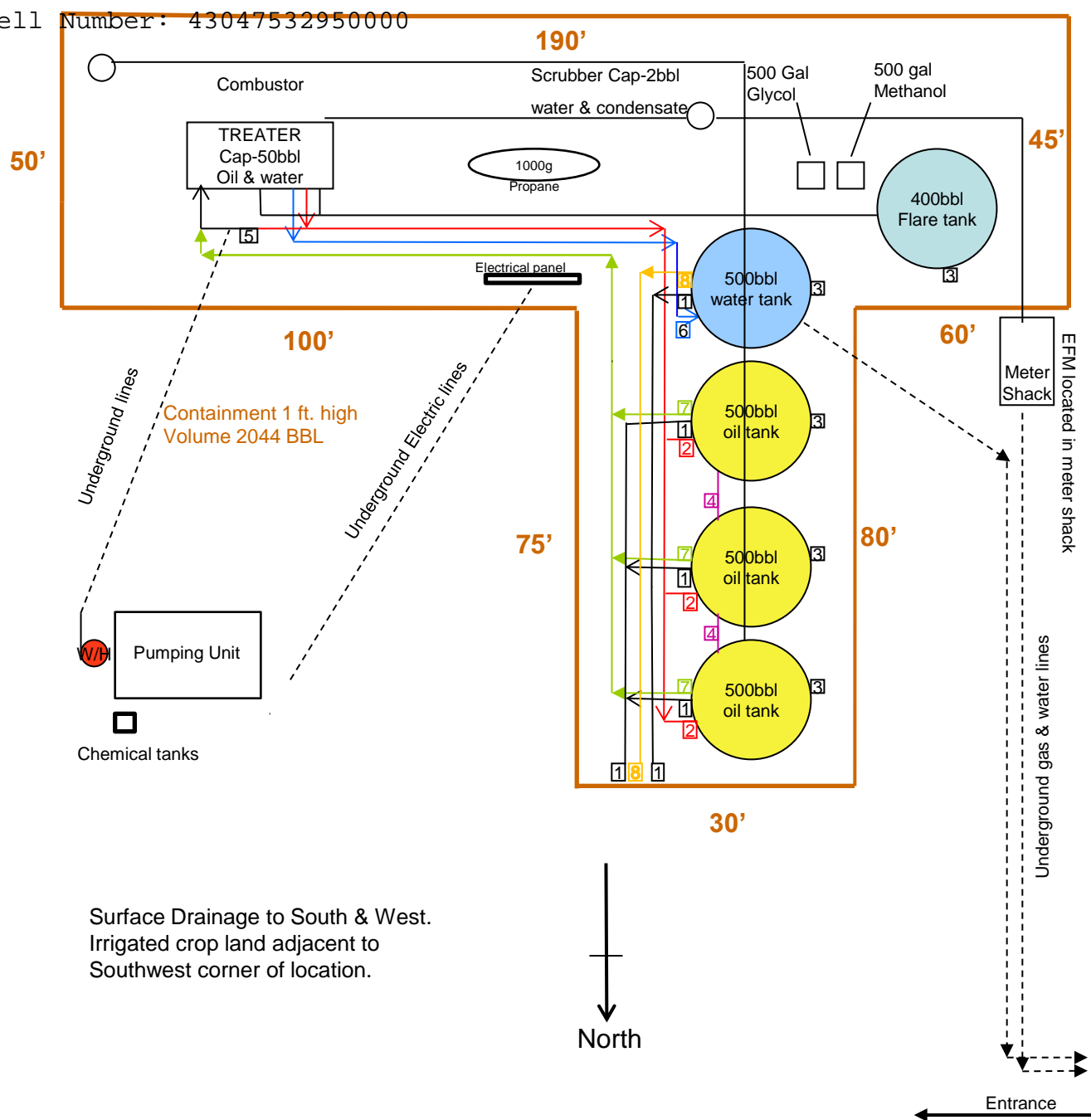
Production – open

Sales – sealed closed

8- 2" WATER TANK SKIM

Not sealed

- PRV, RUPTURE DISC & FLARE LINES- tie in to flare tank
for emergency pressure relief of treater



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU75241
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PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/31/2014	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached is the August 2014 Drilling Activity for this well.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 03, 2014		
NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 9/3/2014	

**Aurora 03-6D-7-20 8/4/2014 06:00 - 8/5/2014 06:00**

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	GOP	General Operations	HSM. CHECK PRESSURE. ND 7" NIGHT CAP. NU 7" 5K X 5" 10K FRAC MANDREL. NU 5" 10K FRAC VALVES. PRES TEST CSG TO 6200 PSI, TEST FB EQUIP TO 2500/4500 PSI. ALL TEST GOOD. SECURE WELL.
10:00	20.00	06:00	LOCL	Lock Wellhead & Secure	LOCK & SECURE WELL

Aurora 03-6D-7-20 8/5/2014 06:00 - 8/6/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HEAT FRAC LINE (32 TANKS)

Aurora 03-6D-7-20 8/6/2014 06:00 - 8/7/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	CTRL	Crew Travel	CREW TRAVEL. ARRIVE ON LOC 8AM HSM
08:00	1.00	09:00	SRIG	Rig Up/Down	MIRU CASED HOLE WITH 5" 10K LUBE.
09:00	1.50	10:30	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WITH 0 PSI. RIH AND CORRELATE TO SJ AT 7639'-7663'. RUN DOWN TAG FILL @ 8507' CONFIRMED WITH DENVER NEW BTM PERF. AND PERF WASATCH FORM 8268'-8507' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND SECURE WELL.
10:30	4.00	14:30	SRIG	Rig Up/Down	MIRU HES FRAC FLEET.
14:30	15.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE.

Aurora 03-6D-7-20 8/7/2014 06:00 - 8/8/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.01	06:00	SMTG	Safety Meeting	AOL 04:30. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, OVER HEAD LOADS PICKING UP AND LAYING DOWN GUNS MUSTER AREA.
06:00	1.00	07:00	FRAC	Frac. Job	FRAC STG 1 PRESSURE TEST LINES TO 7500 PSI. OPEN WELL W/ 140 PSI AT 5:55AM BREAK DOWN 3543 PSI AT 9.9 BPM. PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10 BPM AT 1625 PSI. FLUSH W/8073 GAL. 30 BPM AT 2125 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 71.1 BPM AT 2711 PSI. ISDP 1665 . FG .64. PERFS OPEN 45/45 1665 ISIP , FG .64, MR 73.7 BPM, AR 71.1 BPM, MP 4650 PSI, AP 2726 PSI 100 MESH 13,610 lbs. 0.5 ppg 20/40 WHITE 145,490 lbs 2.0, 2.15-5 RAMP, 5 ppg SLK WTR 1927 BBL, 20# HYBOR G (15) 937 BBL, BTR 2970 BBLs (STAGE SCORE 9.5) SHUT IN AND TURN OVER TO CASED HOLE.
07:00	2.00	09:00	PFRT	Perforating	PERF STG #2- PU HES CFP 5 1/2" 10K CFP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE 1300 PSI. OPEN WELL AND RIH. CORRELATE TO SHORT JOINTS @ 7639'-7663'. RIH SET 5 1/2" CFP AT 8259' WITH 1100 PSI. PULL UP AND PERF UTELAND BUTTE 7993'-8239' WITH 42 HOLES IN 14' NET. ENDING PRESSURE 1000 PSI. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND TURN WELL OVER TO HES.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
09:00	1.00	10:00	FRAC	Frac. Job	<p>FRAC STG 2 PRESSURE TEST LINES TO 7500 PSI. OPEN WELL W/ 1150 PSI AT 8:55AM BREAK DOWN 1595 PSI AT 9.9 BPM. PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.2 BPM AT 1170 PSI. FLUSH W/7804 GAL. 30 BPM AT 2750 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.</p> <p>STAGE FR PAD. STABLE RATE OF 70.5 BPM AT 2913 PSI. ISDP 1250 . FG .59. PERFS OPEN 37/42</p> <p>ISIP 1564 , FG .63, MR 71 BPM, AR 70.5 BPM, MP 3317 PSI, AP 2225 PSI 100 MESH 13,770 lbs. 0.5 ppg 20/40 WHITE 146,130 lbs 2.0, 2.15-5 RAMP, 5 ppg SLK WTR 1715 BBL, 20# HYBOR G (15) 1151 BBL, BTR 2959 BBLs</p> <p>(STAGE SCORE 10)</p> <p>SHUT IN AND TURN OVER TO CASED HOLE.</p>
10:00	1.24	11:15	PFRT	Perforating	<p>PERF STG #3- PU HES CFP 5 1/2" 10K CFP AND GUNS FOR STAGE 3 INTO LUBE AND EQUALIZE 1500 PSI. OPEN WELL AND RIH. CORRELATE TO SHORT JOINTS @ 7639'-7663' . RIH SET 5 1/2" CFP AT 7962' WITH 1150 PSI. PULL UP AND PERF BLACK SHALE & CASTLE PEAK 7680'-7942' WITH 42 HOLES IN 14' NET. ENDING PRESSURE 900 PSI. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND TURN WELL OVER TO HES.</p>
11:15	1.25	12:30	FRAC	Frac. Job	<p>FRAC STG 3 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 1030 PSI AT 11:25AM BREAK DOWN 2111 PSI AT 9.9 BPM. PMP 3400 GAL 15% HCL ACID W/ 84 BIO BALLS FOR DIVERSION. 10.2 BPM AT 1750 PSI. FLUSH W/ 7499 GAL. 30 BPM AT 2225 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.</p> <p>STAGE FR PAD. STABLE RATE OF 70.8 BPM AT 3458 PSI. ISDP 2001 . FG .70. PERFS OPEN 41/42</p> <p>ISIP 2307 , FG .73, MR 71.6 BPM, AR 70.6 BPM, MP 4236 PSI, AP 3036 PSI 100 MESH 13,770 lbs. 0.5 ppg 20/40 WHITE 145,830 lbs 2.0, 2.15-5 RAMP, 5 ppg SLK WTR 1709 BBL, 20# HYBOR G (15) 1140 BBL, BTR 2942 BBLs</p> <p>(STAGE SCORE 10)</p> <p>SHUT IN AND TURN OVER TO CASED HOLE.</p>
12:30	1.25	13:45	PFRT	Perforating	<p>PERF STG #4- PU HES CFP 5 1/2" 10K CFP AND GUNS FOR STAGE 4 INTO LUBE AND EQUALIZE 1850 PSI. OPEN WELL AND RIH. CORRELATE TO SHORT JOINTS @ 6996'-7019'. RIH SET 5 1/2" CFP AT 7648' WITH 1600 PSI. PULL UP AND PERF TGR3 THROUGH TGR17 7305'-7628' WITH 45 HOLES IN 15' NET. ENDING PRESSURE 200 PSI. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND TURN WELL OVER TO HES.</p>

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
13:45	1.09	14:50	FRAC	Frac. Job	<p>FRAC STG 4 PRESSURE TEST LINES TO 7325 PSI. OPEN WELL W/ 245 PSI AT 13:48 BREAK DOWN 2300 PSI AT 9.8 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.2 BPM AT 1810 PSI. FLUSH W/7133 GAL. 35 BPM AT 2750 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.</p> <p>STAGE FR PAD. STABLE RATE OF 70.2 BPM AT 3597 PSI. ISDP 1930 . FG .70. PERFS OPEN 36/45</p> <p>ISIP 2537 , FG .78, MR 75 BPM, AR 74.6 BPM, MP 4979 PSI, AP 3390 PSI 100 MESH 13,750 lbs. 0.5 ppg 20/40 WHITE 145,650 lbs 2.0, 2.15-5 RAMP, 5 ppg SLK WTR 1700 BBL, 20# HYBOR G (16) 1126 BBL, BTR 2919 BBLS</p> <p>(STAGE SCORE 10)</p> <p>SHUT IN AND TURN OVER TO CASED HOLE.</p>
14:50	1.09	15:55	PFRT	Perforating	<p>PERF STG #5- PU HES CFP 5 1/2" 10K CFP AND GUNS FOR STAGE 5 INTO LUBE AND EQUALIZE 2400 PSI. OPEN WELL AND RIH. CORRELATE TO SHORT JOINTS @ 6996'-7019'. RIH SET 5 1/2" CFP AT 7290' WITH 2200 PSI. PULL UP AND PERF TGR3 & DOUGLAS CREEK 6950'-7267' WITH 42 HOLES IN 14' NET. ENDING PRESSURE 1990 PSI. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND TURN WELL OVER TO HES.</p>
15:55	1.41	17:20	FRAC	Frac. Job	<p>FRAC STG 5 PRESSURE TEST LINES TO 7500 PSI. OPEN WELL W/ 2000 PSI AT 16:00 BREAK DOWN 2318 PSI AT 9.9 BPM. PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 11.1 BPM AT 2070 PSI. FLUSH W/6786 GAL. 32 BPM AT 2780 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.</p> <p>STAGE FR PAD. STABLE RATE OF 70.7 BPM AT 2718 PSI. ISDP 1614 . FG .67. PERFS OPEN 42/42</p> <p>ISIP 1614 , FG .66, MR 75.3 BPM, AR 73.2 BPM, MP 5062 PSI, AP 2620 PSI 100 MESH 14,560 lbs. 0.5 ppg 20/40 WHITE 144,440 lbs 2.0, 2.15-5 RAMP, 5 ppg SLK WTR 1675 BBL, 20# HYBOR G (15) 1150 BBL, BTR 2907 BBLS</p> <p>(STAGE SCORE 10)</p> <p>HALLIBURTON RIG STAND PIPES DOWN. TURN WELL OVER TO CASED HOLE</p>
17:20	1.00	18:20	WLWK	Wireline	<p>KILL PLUG- PU 5-1/2" HES PLUG AND SETTING TOOLS INTO LUBE. EQUALIZE PSI. RIH AND CORRELATE TO CSG JTS (NO SHORT JT NOW). SET KILL PLUG AT 6850' WITH 1800 PSI. BLEED OFF AS POOH.</p>
18:20	2.00	20:20	SRIG	Rig Up/Down	RDMO CASED HOLE & HES
20:20	9.66	06:00	LOCL	Lock Wellhead & Secure	LOCK AND SECURE WELL FOR NIGHT. LEAVE WELL SHUT IN FOR 2HRS TURN OVER TO FLOW BACK

Aurora 03-6D-7-20 8/8/2014 06:00 - 8/9/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	0.50	07:30	RMOV	Rig Move	ROAD RIG TO LOCATION. CHECK PRESSURE. ND FRAC VALVES. NU 7" 5K BOP.
07:30	1.00	08:30	SRIG	Rig Up/Down	RUSU. NU 7" 5K HYDRIL AND STRIPPING HEAD. RU FLOOR.
08:30	2.50	11:00	GOP	General Operations	SPOT IN CATWALK AND PIPE RACKS. UNLOAD 277-JTS 2-7/8" 6.5# L-80 EUE TBG.
11:00	3.00	14:00	RUTB	Run Tubing	MU 4-3/4" MILL, FLOAT SUB, BIT SUB, X-O, 1-JT TBG, AND DRAIN SUB. RIH AS MEAS AND PU -JTS TBG.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
14:00	0.50	14:30	PTST	Pressure Test	RU PWR SWIVEL. FILL TBG. PRES TEST LINES, PIPE RAMS, AND HYDRIL TO 2000 PSI. GOOD
14:30	3.00	17:30	DOPG	Drill Out Plugs	EST CIRC AND D/O PLUGS CBP #1 AT 6850'. 0' FILL. 500 PSI ON 28/64". RIH CBP #2 AT 7290'. 20' FILL. 500 PSI ON 21/64". RIH CBP #3 AT 7962'. 42' FILL. 500 PSI ON 24/64". RUN 1-JT. CIRC CLEAN. SDFN W/ EOT AT 7676'. TURN OVER TO FBC AND PRODUCTION FOR NIGHT.
17:30	12.50	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL FLOWING TO FBC AND PRODUCTION.

Aurora 03-6D-7-20 8/9/2014 06:00 - 8/10/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.WELL FLOWING TO PRODUCTION 150 PSI ON 28/64" CHOKE. NO OIL.
07:00	4.00	11:00	DOPG	Drill Out Plugs	EST CIRC AND CONT D/O PLUGS CBP #4 AT 7962'. 18' FILL. 300 PSI ON 24/64". RIH CBP #5 AT 8259'. 11' FILL. 250 PSI ON 27/64". RIH FC AT 8563'. 33' FILL. D/O FC AND 69' CMT TO 8632' (PBTD) WITH 271-JTS IN.
11:00	1.00	12:00	GOP	General Operations	CIRC WELL (130 BBLS RETURNED). RD PWR SWIVEL.
12:00	1.00	13:00	PULT	Pull Tubing	POOH AS LD 56-JTS TBG. LUBE IN AND LAND HANGER. TBG DETAIL KB 13.00 HANGER .85 214-JTS 2-7/8" L-80 6807.53 DRAIN SUB 1.70 1-JT 2-7/8" L-80 31.82 X-O .37 FLOAT SUB 1.16 BIT SUB 1.05 4-3/4" MILL .40 EOT AT 6857.88'
13:00	2.00	15:00	BOPR	Remove BOP's	RD FLOOR. ND BOP. NU WH. PLUMB IN LINES. DROP BAR TO SHEAR DRAINS. 5:30 MIN TO SHEAR. HAVE SITP 400 PSI, SICP 400 PSI. OPEN TO TREATER ON 30/64", FTP 340 PSI. SDFN.
15:00	15.00	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL FLOWING TO FBC.

Aurora 03-6D-7-20 8/11/2014 06:00 - 8/12/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	2.00	09:00	HOIL	Hot Oil Well	PUMP 170 BBLS HOT WTR DOWN TBG. LET CSG DIE.
09:00	1.00	10:00	BOPI	Install BOP's	ND WH. NU BOP. RU FLOOR.
10:00	2.00	12:00	PULT	Pull Tubing	PULL HANGER. POOH W/ 215-JTS AND D/O BHA.
12:00	3.00	15:00	RUTB	Run Tubing	MU PROD BHA AND RIH W/ TBG.
15:00	0.50	15:30	GOP	General Operations	WORK TBG TO SET TAC. UNABLE TO GET 5-1/2" 8RD TAC TO SET.
15:30	2.00	17:30	PULT	Pull Tubing	START POOH W/ TBG AND PROD BHA (TO CHANGE TAC). SDFN W/ KILL STRING LEFT IN.
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE FOR NIGHT.

Aurora 03-6D-7-20 8/12/2014 06:00 - 8/13/2014 06:00

API 43-047-53295	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,673.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	0.50	07:30	DTIM	Downtime	R&M- CHANGE OUT TORQUE REGULATOR.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:30	0.50	08:00	GOP	General Operations	FLUSH TBG W/ 60 BBLS HOT WTR.
08:00	0.50	08:30	PULT	Pull Tubing	CONT POOH W/ 61-JTS TBG TO TAC. X-OUT TAC.
08:30	1.50	10:00	RUTB	Run Tubing	RIH W/ PROD BHA AND TBG. CSG START TO FLOW OIL AND GAS
10:00	2.00	12:00	HOIL	Hot Oil Well	CIRC WELL W/ 180 BBLS WTR. RD FLOOR.
12:00	1.00	13:00	BOPR	Remove BOP's	ND BOP. SET 5-1/2" 1/4 SET TAC. LAND HANGER IN 20K TENSION. NU WH. TBG DETAIL KB 13.00 HANGER .85 257-JTS 2-7/8" L-80 8176.69 5-1/2" 1/4 SET TAC 2.35 3-JTS 2-7/8" L-80 95.44 PSN 1.10 4' TBG SUB 4.14 3-1/2" DESANDER 17.12 5-JTS 2-7/8" L-80 159.07 BULL PLUG .75 TAC AT 8192.89', PSN AT 8289.43', EOT AT 8470.51'.
13:00	3.50	16:30	RURP	Run Rods & Pump	X-O FOR RODS. PU AND PRIME PUMP. RIH W/ PUMP AS PU RODS. SPACE OUT AND SEAT PUMP. ROD DETAIL 1-1/2" X 30' POLISH ROD 4' X 1" PONY ROD 97) 1" D 4 PER 104) 7/8" D 4 PER 96) 3/4" D 4 PER 32) 1" D 4 PER SHEAR CPLG 25-175-RHBC-20-5-21-24'
16:30	0.50	17:00	PTST	Pressure Test	FILL TBG W/ 1 BBL. STROKE TEST PUMP TO 800 PSI. GOOD
17:00	2.00	19:00	SRIG	Rig Up/Down	HANG HEAD AND RODS ON. RDSU. TURN WELL OVER TO PRODUCTION. (NEED TO RE-PIN UNIT TO #2 HOLE AND BALANCE)
19:00	11.00	06:00	GOP	General Operations	CREW TRAVEL. WELL ON PRODUCTION.

RECEIVED: Sep. 11, 2014

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(*Sold, used for fuel, vented, etc.*)
SOLD

30. Summary of Porous Zones (Include Aquifers):					31. Formation (Log) Markers	
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.						
Formation	Top	Bottom	Descriptions, Contents, etc.		Name	Top Meas. Depth
					GREEN RIVER MAHOGANY TGR3 DOUGLAS CREEK BLACK SHALE FACIES CASTLE PEAK UTELAND BUTTE WASATCH	4790 5808 6946 7071 7674 7754 7994 8651

32. Additional remarks (include plugging procedure):
TOC was calculated by CBL, Conductor was cemented with grout. Attaches is the treatment data and logs. First gas was on 8/10/2014, first oil sales 8/21/2014.

33. Circle enclosed attachments:			
1. Electrical/Mechanical Logs (1 full set req'd.)	2. Geologic Report	3. DST Report	4. Directional Survey
5. Sundry Notice for plugging and cement verification	6. Core Analysis	7 Other:	

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #262680 Verified by the BLM Well Information System.
For BILL BARRETT CORPORATION, sent to the Vernal**

Name(*please print*) CHRISTINA HIRTLE Title PERMIT ANALYST

Signature (Electronic Submission) Date 09/11/2014

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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RECEIVED: Sep. 11, 2014

3-6D-7-20 Aurora Fed

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)				
AMOUNT AND TYPE OF MATERIAL				
<u>Stage</u>	<u>bbls Slurry</u>	<u>lbs Common White 100 Mesh Sand</u>	<u>lbs 20/40 Premium White</u>	<u>gal 15% HCl Acid</u>
1	2970	13,610	145,490	4,400
2	2959	13,770	146,130	3,900
3	2942	13,770	145,830	3,900
4	2919	13,750	145,650	3,900
5	2907	7,124	151,876	3,400

*Depth intervals for frac information same as perforation record intervals.



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora Federal 3-6D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora Federal 3-6D-7-20 @ 5002.0usft (CAPSTAR 32)
Site:	SECTION 6 T7S, R20E	MD Reference:	Aurora Federal 3-6D-7-20 @ 5002.0usft (CAPSTAR 32)
Well:	Aurora Federal 3-6D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Project	Fort Duchesne		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Southern Zone		

Site	SECTION 6 T7S, R20E		
Site Position:		Northing:	11,151,340.11 usft
From:	Lat/Long	Easting:	2,139,455.27 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	40° 14' 48.350 N
		Longitude:	109° 42' 49.580 W
		Grid Convergence:	1.09 °

Well	Aurora Federal 3-6D-7-20, SHL: 40° 14' 48.350 -109° 42' 49.580		
Well Position	+N/-S	0.0 usft	Northing: 11,151,340.10 usft
	+E/-W	0.0 usft	Easting: 2,139,455.27 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	5,002.0 usft
		Latitude:	40° 14' 48.350 N
		Longitude:	109° 42' 49.580 W
		Ground Level:	4,989.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/3/2014	10.81	65.95	52,130

Design	Actual			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	205.68

Survey Program	Date	9/10/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
1,153.0	8,673.0	Survey #1 (Wellbore #1)	MWD	MWD v3:standard declination



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora Federal 3-6D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora Federal 3-6D-7-20 @ 5002.0usft (CAPSTAR 32)
Site:	SECTION 6 T7S, R20E	MD Reference:	Aurora Federal 3-6D-7-20 @ 5002.0usft (CAPSTAR 32)
Well:	Aurora Federal 3-6D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,153.0	0.00	10.80	1,153.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,237.0	0.22	290.59	1,237.0	0.0	0.1	-0.2	0.26	0.26	0.00	
1,321.0	0.88	160.73	1,321.0	0.5	-0.5	-0.1	1.23	0.79	-154.60	
1,406.0	2.21	200.43	1,406.0	2.6	-2.6	-0.4	1.92	1.56	46.71	
1,490.0	2.52	206.43	1,489.9	6.0	-5.8	-1.8	0.47	0.37	7.14	
1,575.0	2.39	209.91	1,574.8	9.7	-9.0	-3.5	0.23	-0.15	4.09	
1,659.0	3.00	219.12	1,658.7	13.6	-12.3	-5.8	0.89	0.73	10.96	
1,743.0	4.60	217.53	1,742.5	19.0	-16.6	-9.2	1.91	1.90	-1.89	
1,827.0	5.92	215.02	1,826.2	26.6	-22.8	-13.8	1.59	1.57	-2.99	
1,912.0	6.98	219.20	1,910.6	35.9	-30.4	-19.6	1.36	1.25	4.92	
1,996.0	6.89	218.19	1,994.0	45.8	-38.4	-25.9	0.18	-0.11	-1.20	
2,080.0	6.72	217.31	2,077.4	55.5	-46.2	-32.0	0.24	-0.20	-1.05	
2,165.0	6.81	215.59	2,161.8	65.4	-54.3	-37.9	0.26	0.11	-2.02	
2,249.0	5.79	209.29	2,245.3	74.5	-62.0	-42.9	1.47	-1.21	-7.50	
2,333.0	5.60	207.60	2,328.9	82.8	-69.4	-46.9	0.30	-0.23	-2.01	
2,418.0	5.48	208.72	2,413.5	91.0	-76.6	-50.8	0.19	-0.14	1.32	
2,502.0	5.48	217.93	2,497.1	98.9	-83.3	-55.2	1.05	0.00	10.96	
2,586.0	5.79	217.53	2,580.7	107.0	-89.8	-60.2	0.37	0.37	-0.48	
2,671.0	5.61	213.61	2,665.3	115.3	-96.7	-65.1	0.50	-0.21	-4.61	
2,755.0	6.41	213.12	2,748.9	124.0	-104.0	-69.9	0.95	0.95	-0.58	
2,839.0	6.58	209.91	2,832.3	133.5	-112.1	-74.9	0.48	0.20	-3.82	
2,923.0	7.11	215.19	2,915.7	143.4	-120.5	-80.3	0.98	0.63	6.29	
3,008.0	7.29	214.93	3,000.0	153.9	-129.2	-86.4	0.22	0.21	-0.31	
3,092.0	7.51	215.11	3,083.3	164.6	-138.1	-92.6	0.26	0.26	0.21	
3,176.0	7.69	212.73	3,166.6	175.6	-147.3	-98.8	0.43	0.21	-2.83	
3,261.0	7.91	212.33	3,250.8	187.0	-157.0	-105.0	0.27	0.26	-0.47	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora Federal 3-6D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora Federal 3-6D-7-20 @ 5002.0usft (CAPSTAR 32)
Site:	SECTION 6 T7S, R20E	MD Reference:	Aurora Federal 3-6D-7-20 @ 5002.0usft (CAPSTAR 32)
Well:	Aurora Federal 3-6D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
3,345.0	7.51	211.71	3,334.1	198.2	-166.6	-111.0	0.49	-0.48	-0.74	
3,429.0	7.29	212.11	3,417.4	209.0	-175.8	-116.7	0.27	-0.26	0.48	
3,514.0	6.98	212.59	3,501.7	219.5	-184.7	-122.4	0.37	-0.36	0.56	
3,598.0	6.58	211.49	3,585.1	229.3	-193.1	-127.6	0.50	-0.48	-1.31	
3,683.0	6.10	210.83	3,669.6	238.7	-201.1	-132.5	0.57	-0.56	-0.78	
3,767.0	6.10	216.70	3,753.1	247.5	-208.5	-137.5	0.74	0.00	6.99	
3,851.0	6.58	209.91	3,836.6	256.7	-216.3	-142.5	1.06	0.57	-8.08	
3,936.0	6.58	207.92	3,921.1	266.4	-224.8	-147.2	0.27	0.00	-2.34	
4,020.0	6.50	211.01	4,004.5	276.0	-233.1	-151.9	0.43	-0.10	3.68	
4,104.0	6.32	208.01	4,088.0	285.3	-241.3	-156.6	0.45	-0.21	-3.57	
4,189.0	6.58	211.63	4,172.4	294.8	-249.6	-161.3	0.57	0.31	4.26	
4,273.0	6.10	206.69	4,255.9	304.1	-257.7	-165.8	0.86	-0.57	-5.88	
4,357.0	5.21	204.00	4,339.5	312.4	-265.1	-169.4	1.11	-1.06	-3.20	
4,442.0	4.68	198.80	4,424.2	319.7	-271.9	-172.1	0.82	-0.62	-6.12	
4,526.0	4.42	197.70	4,507.9	326.3	-278.3	-174.2	0.33	-0.31	-1.31	
4,610.0	4.20	199.90	4,591.7	332.5	-284.3	-176.2	0.33	-0.26	2.62	
4,695.0	4.11	197.61	4,676.5	338.6	-290.1	-178.2	0.22	-0.11	-2.69	
4,779.0	4.02	200.61	4,760.3	344.6	-295.7	-180.1	0.27	-0.11	3.57	
4,863.0	4.68	207.31	4,844.0	350.9	-301.5	-182.7	0.99	0.79	7.98	
4,947.0	4.29	202.19	4,927.8	357.5	-307.5	-185.5	0.66	-0.46	-6.10	
5,032.0	4.68	207.90	5,012.5	364.1	-313.5	-188.3	0.70	0.46	6.72	
5,116.0	4.68	211.10	5,096.2	371.0	-319.4	-191.7	0.31	0.00	3.81	
5,200.0	5.30	223.21	5,179.9	378.1	-325.2	-196.1	1.45	0.74	14.42	
5,285.0	4.51	216.43	5,264.6	385.1	-330.7	-200.8	1.15	-0.93	-7.98	
5,369.0	4.11	207.53	5,348.4	391.3	-336.1	-204.1	0.93	-0.48	-10.60	
5,453.0	5.61	215.59	5,432.1	398.4	-342.1	-207.9	1.96	1.79	9.60	
5,537.0	5.92	227.00	5,515.6	406.5	-348.4	-213.5	1.41	0.37	13.58	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora Federal 3-6D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora Federal 3-6D-7-20 @ 5002.0usft (CAPSTAR 32)
Site:	SECTION 6 T7S, R20E	MD Reference:	Aurora Federal 3-6D-7-20 @ 5002.0usft (CAPSTAR 32)
Well:	Aurora Federal 3-6D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
5,622.0	5.21	218.19	5,600.2	414.3	-354.4	-219.1	1.30	-0.84	-10.36	
5,706.0	6.81	215.41	5,683.8	423.0	-361.5	-224.3	1.94	1.90	-3.31	
5,790.0	7.38	218.50	5,767.1	433.1	-369.7	-230.6	0.82	0.68	3.68	
5,875.0	6.32	209.73	5,851.5	443.1	-378.1	-236.3	1.75	-1.25	-10.32	
5,959.0	6.32	208.32	5,935.0	452.3	-386.2	-240.8	0.18	0.00	-1.68	
6,043.0	6.10	205.01	6,018.5	461.4	-394.3	-244.8	0.50	-0.26	-3.94	
6,128.0	5.08	201.62	6,103.1	469.7	-401.9	-248.1	1.26	-1.20	-3.99	
6,212.0	4.99	202.72	6,186.8	477.1	-408.7	-250.9	0.16	-0.11	1.31	
6,296.0	4.02	192.19	6,270.5	483.6	-414.9	-253.0	1.51	-1.15	-12.54	
6,381.0	3.71	189.19	6,355.3	489.1	-420.6	-254.0	0.44	-0.36	-3.53	
6,465.0	3.49	185.40	6,439.2	494.1	-425.8	-254.7	0.39	-0.26	-4.51	
6,549.0	3.09	181.22	6,523.0	498.6	-430.6	-255.0	0.55	-0.48	-4.98	
6,633.0	2.70	173.73	6,606.9	502.3	-434.8	-254.8	0.65	-0.46	-8.92	
6,718.0	2.39	192.10	6,691.8	505.7	-438.6	-255.0	1.02	-0.36	21.61	
6,802.0	2.21	177.61	6,775.8	508.9	-441.9	-255.3	0.72	-0.21	-17.25	
6,886.0	1.10	174.70	6,859.7	511.0	-444.3	-255.1	1.32	-1.32	-3.46	
6,971.0	1.90	177.52	6,944.7	512.9	-446.5	-255.0	0.94	0.94	3.32	
7,055.0	2.12	173.99	7,028.7	515.5	-449.5	-254.8	0.30	0.26	-4.20	
7,140.0	1.90	160.20	7,113.6	517.8	-452.4	-254.1	0.62	-0.26	-16.22	
7,224.0	1.59	135.70	7,197.6	519.2	-454.5	-252.8	0.95	-0.37	-29.17	
7,308.0	1.41	116.22	7,281.5	519.6	-455.8	-251.1	0.64	-0.21	-23.19	
7,392.0	1.10	119.61	7,365.5	519.6	-456.6	-249.5	0.38	-0.37	4.04	
7,477.0	1.02	157.29	7,450.5	520.2	-457.7	-248.5	0.81	-0.09	44.33	
7,561.0	1.19	158.30	7,534.5	521.3	-459.2	-247.9	0.20	0.20	1.20	
7,645.0	1.41	160.33	7,618.5	522.6	-461.0	-247.2	0.27	0.26	2.42	
7,729.0	1.59	151.21	7,702.4	524.0	-463.0	-246.3	0.36	0.21	-10.86	
7,814.0	1.50	152.53	7,787.4	525.4	-465.0	-245.2	0.11	-0.11	1.55	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora Federal 3-6D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora Federal 3-6D-7-20 @ 5002.0usft (CAPSTAR 32)
Site:	SECTION 6 T7S, R20E	MD Reference:	Aurora Federal 3-6D-7-20 @ 5002.0usft (CAPSTAR 32)
Well:	Aurora Federal 3-6D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
7,898.0	1.50	144.82	7,871.4	526.6	-466.9	-244.1	0.24	0.00	-9.18	
7,983.0	1.68	145.70	7,956.4	527.7	-468.9	-242.7	0.21	0.21	1.04	
8,067.0	1.50	154.82	8,040.3	529.0	-470.9	-241.6	0.37	-0.21	10.86	
8,151.0	1.81	157.20	8,124.3	530.6	-473.1	-240.6	0.38	0.37	2.83	
8,235.0	1.59	165.31	8,208.2	532.4	-475.4	-239.8	0.39	-0.26	9.65	
8,320.0	1.99	166.30	8,293.2	534.4	-478.0	-239.1	0.47	0.47	1.16	
8,404.0	2.30	166.90	8,377.1	536.9	-481.1	-238.4	0.37	0.37	0.71	
8,488.0	2.21	168.22	8,461.1	539.5	-484.3	-237.7	0.12	-0.11	1.57	
8,573.0	1.99	160.73	8,546.0	541.8	-487.3	-236.9	0.41	-0.26	-8.81	
8,606.0	1.99	159.10	8,579.0	542.6	-488.4	-236.5	0.17	0.00	-4.94	
8,673.0	1.99	159.10	8,646.0	544.2	-490.5	-235.6	0.00	0.00	0.00	

Checked By: _____ Approved By: _____ Date: _____

Sundry Number: 55359 API Well Number: 43047532950000

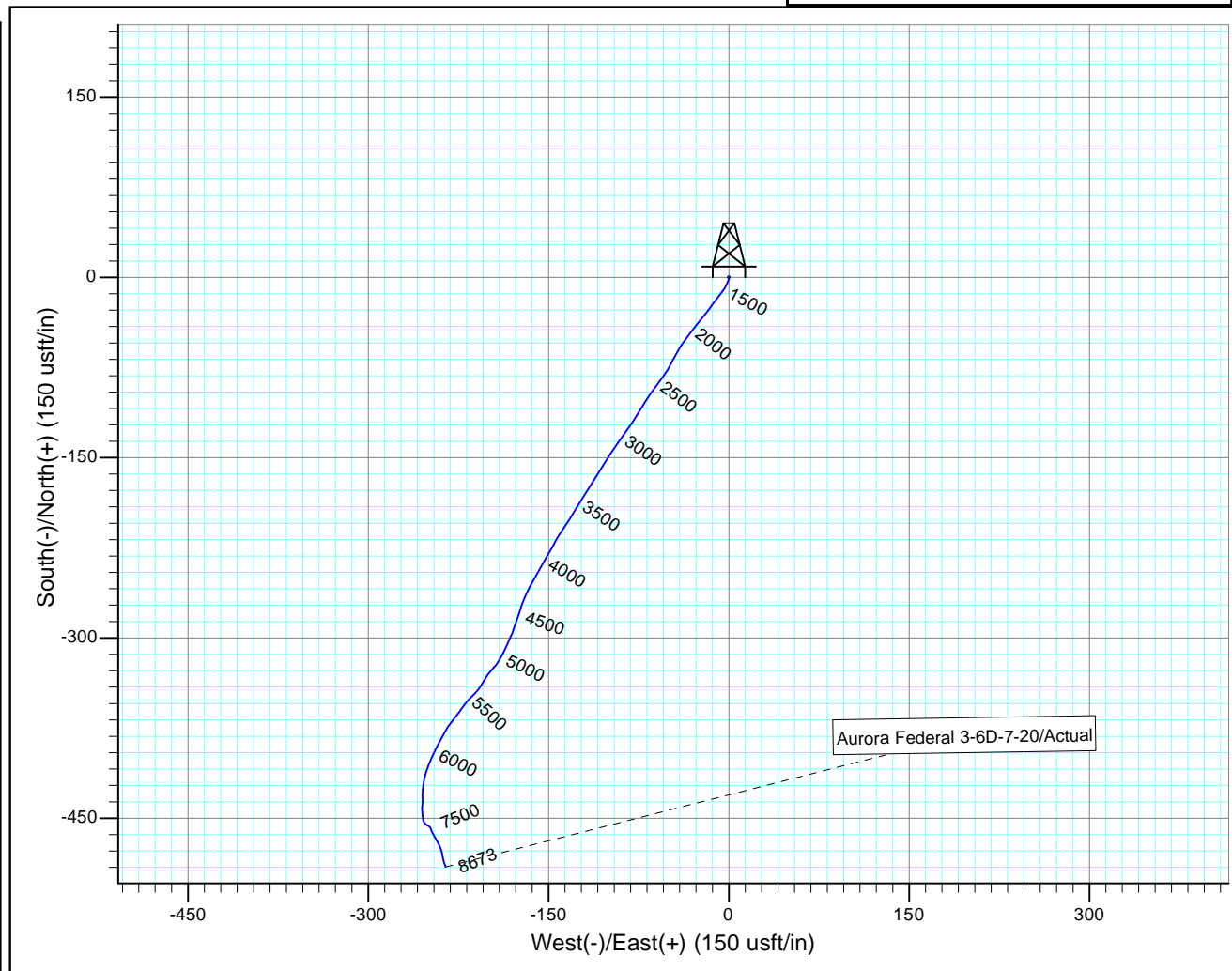
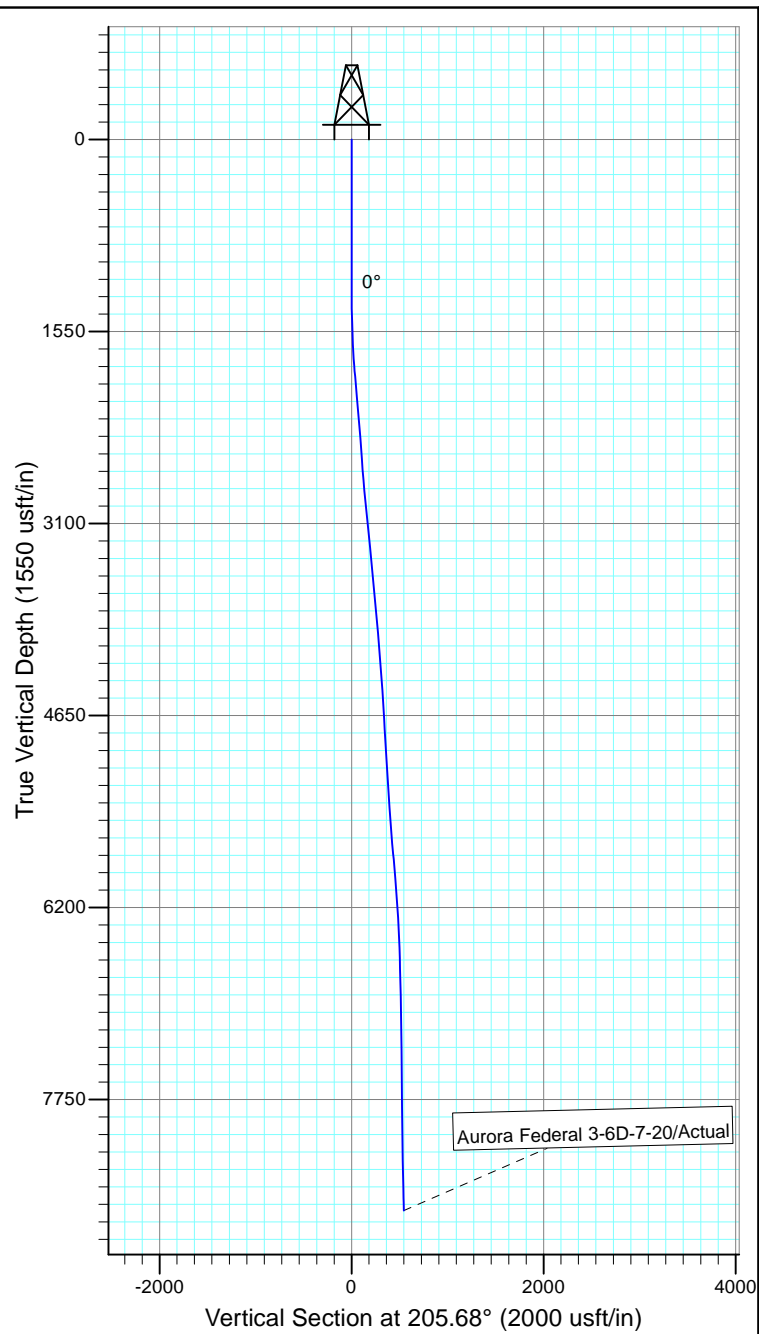


Project: Fort Duchesne
Site: SECTION 6 T7S, R20E
Well: Aurora Federal 3-6D-7-20
Wellbore: Wellbore #1
Design: Actual



Azimuths to True North
Magnetic North: 10.81°

Magnetic Field
Strength: 52130.2snT
Dip Angle: 65.95°
Date: 7/3/2014
Model: IGRF2010



Design: Actual (Aurora Federal 3-6D-7-20/Wellbore #1)

Created By: Matthew Linton

Date: 16:40, September 10 2014

THIS SURVEY IS CORRECT TO THE BEST OF
MY KNOWLEDGE AND IS SUPPORTED
BY ACTUAL FIELD DATA

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU75241
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: Aurora Federal 3-6D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0185 FNL 2262 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 06 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047532950000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/17/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:
OTHER: INTERIM REC COMPLETED				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 INTERIM RECLAMATION WAS COMPLETED ON 12/17/2014 AND THE PIT WAS CLOSED ON 11/5/2014.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 January 08, 2015

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 1/6/2015	